

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 13:11:30 ; Search time 1345.73 Seconds
(without alignments)
5737.169 Million cell updates/sec

Title: US-09-612-921-3

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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1472140 seqs, 8248589755 residues

Word size : 30

Total number of hits satisfying chosen parameters: 18

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query			ID	Description
	Score	Match	Length		
1	468	100.0	468	9 AF230377	AF230377 Homo sapi
2	468	100.0	1282	6 AX069307	AX069307 Sequence
3	468	100.0	1288	9 AF201830	AF201830 Homo sapi
4	468	100.0	2563	6 AX080389	AX080389 Sequence
5	468	100.0	2598	6 AX092420	AX092420 Sequence
6	468	100.0	2604	9 HSA242738	AJ242738 Homo sapi
7	468	100.0	2613	9 HSA242737	AJ242737 Homo sapi
8	468	100.0	2648	6 AX069309	AX069309 Sequence
9	468	100.0	2720	9 AF186094	AF186094 Homo sapi
10	465	99.4	465	6 AX080398	AX080398 Sequence
11	243	51.9	357	6 AX069304	AX069304 Sequence
12	243	51.9	985	6 AX069305	AX069305 Sequence
13	227	48.5	5751	6 AX069310	AX069310 Sequence
14	227	48.5	6540	6 AX080431	AX080431 Sequence
15	227	48.5	6540	9 HSA271338	AJ271338 Homo sapi
16	227	48.5	7604	9 AF216693	AF216693 Homo sapi
17	227	48.5	7605	6 AX069311	AX069311 Sequence
18	227	48.5	197308	9 AC016724	AC016724 Homo sapi

ALIGNMENTS

RESULT 1
AF230377 468 bp mRNA PRI 02-AUG-2000
LOCUS Homo sapiens interleukin-1 delta mRNA, complete cds.
DEFINITION AF230377
ACCESSION AF230377
VERSION AF230377.1 GI:9651788
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE
1 (bases 1 to 468)
AUTHORS Debets,R., Timans,J.C., Zurawski,S., Sana,T.R., Bazan,F. and
Kastelein,R.A.
TITLE Novel IL-1 ligands IL-1d and IL-1e use IL-1R related protein 2
JOURNAL Unpublished
2 (bases 1 to 468)
REFERENCE Kastelein,R.A., Timans,J.C., Sana,T., Debets,R. and Bazan,F.
TITLE Direct Submission
JOURNAL Submitted (01-FEB-2000) Molecular Biology, DNAX Research Institute,
901 California Ave, Palo Alto, CA 94304, USA
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OY	421	gagctggaaatgccccatcacagaacttctacttcagagctgttgaactg	468
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LOCUS	AX069307	1282 bp	DNA	PAT
DEFINITION	Sequence 4 from Patent WO0102571.			25-JAN-2001
ACCESSION	AX069307			
VERSION	AX069307.1	GI:12579179		
KEYWORDS	.			
SOURCE	human.			
ORGANISM	Homo sapiens			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.			
REFERENCE	1 (bases 1 to 1282)			
AUTHORS	Ford, J., and Pace, A.			
TITLE	A interleukin-1 receptor antagonist and uses thereof			
JOURNAL	Patent: WO 0102571-A 4 11-JAN-2001; HYSEQ, INC. (US)			
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Db	373	TACCGGCGGGACATGGGGGCTCTACCTCCAGCTTCAGTGTGGCTGTGCATACCGGGCTGGTTTC	432
OY	361	ctgtgcacggygacctgaaagccgaatcaagcctgtgcaagactaccacagcttcccggaatggt	420
Db	433	CTGTGCAAGGTGCTTGAAAGCCGATCAGCCTGTCTCAGACTCAACCCAGGTCTCCCGAATGCT	492
OY	421	ggctcggaatgcgcccatcacaagatttactctcagaagtgtagctg	468
Db	493	GGCTGGAATGCCCATCATACAGACTTCTACTCCAGAGTGTGTCTG	540

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DEFINITION	Homo sapiens FIL1 delta mRNA, complete cds.				
ACCESSION	AF201830				
VERSION	AF201830.1	GI:6694387			
KEYWORDS	human.				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
REFERENCE	1 (bases 1 to 1288)				
AUTHORS	Smith,D.E., Renshaw,B.R., Ketchem,R.R., Kubin,M., Garika,K.E. and Sims,J.E.				
TITLE	Four new members expand the interleukin-1 superfamily				
JOURNAL	J. Biol. Chem. 275 (2), 1169-1175 (2000)				
MEDLINE	20092888				
REFERENCE	2 (bases 1 to 1288)				
AUTHORS	Sims,J.E.				
TITLE	Direct Submission				
JOURNAL	Submitted (04-NOV-1999) Molecular Genetics, Immunex Corporation, 51 University Street, Seattle, WA 98101, USA				
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Best Local Similarity	100.0%;	Pred. No. 5.5e-272;			
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LOCUS AX080389 2563 bp DNA
DEFINITION Sequence 1 from Patent WO0105974.
ACCESSION AX080389
VERSION AX080389.1 GI:13159840
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 2563)
AUTHORS Nicklin,M. and Barton,J.
TITLE The 11-111 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 1 25-JAN-2001;
Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers
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BASE COUNT 679 a 579 c 635 g 670 t
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Best Local Similarity 100.0%; Pred. No. 5.6e-272;
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LOCUS AX092420 2598 bp DNA
DEFINITION Sequence 151 from Patent WO0116318.
ACCESSION AX092420
VERSION AX092420.1 GI:13444524
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 2598)
AUTHORS Eaton,D.L., Pilvaroff,E., Gerritsen,M.E., Goddard,A.,
Godowski,P.J., Grimaldi,C.J., Gurney,A.L., Watanabe,C.K. and
Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0116318-A 151 08-MAR-2001;
Genentech, Inc. (US)
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Db 487 GGCTGAATGCCCCATCACAGACTCTTACTTCCACAGGTGACTAG 534

RESULT 6
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LOCUS Homo sapiens mRNA for Interleukin-1-like protein 1 (IL1L1 gene)
DEFINITION transcript 2.
ACCESSION AJ242738.1 GI:6165335
VERSION AJ242738.1
KEYWORDS IL1L1 gene; Interleukin-1-like protein 1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
REFERENCE 1 (bases 1 to 2604)
AUTHORS Barton, J.L., Herbst, R., Bosisto, D., Higgins, L. and Nicklin, M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
JOURNAL cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities
MEDLINE Eur. J. Immunol. 30 (11), 3299-3308 (2000)
REFERENCE 2 (bases 1 to 2604)
AUTHORS Nicklin, M.J.
TITLE Direct Submission
JOURNAL Submitted (09-JUN-1999) Nicklin M.J., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Glossop Road, Sheffield, S10 2UF, UNITED KINGDOM
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Query Match 100.0%; Score 468; DB 9; Length 2604;
Best Local Similarity 100.0%; Pred. No. 5.6e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
HSA242737 2613 bp mRNA PRI 02-NOV-2000
LOCUS Homo sapiens mRNA for Interleukin-1-like protein-1 (IL1L1 gene),
DEFINITION transcript 1.
ACCESSION AJ242737
VERSION AJ242737.1 GI:6165333
KEYWORDS IL1L1 gene; Interleukin-1-like protein-1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
REFERENCE 1 (bases 1 to 2613)
AUTHORS Barton, J.L., Herbst, R., Bosisto, D., Higgins, L. and Nicklin, M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
JOURNAL cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities
MEDLINE Eur. J. Immunol. 30 (11), 3299-3308 (2000)
REFERENCE 2 (bases 1 to 2613)
AUTHORS Nicklin, M.J.
TITLE Direct Submission
JOURNAL Submitted (09-JUN-1999) Nicklin M.J., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Glossop Road, Sheffield, S10 2UF, UNITED KINGDOM
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                VNRMLDASLSPVILIGVGGSCVCGVGOEPTLTLEPVNIMELYIGAKESKSFYR
                RDMGLTSFESASAYPGWFLCTYPEADQPVRLQLPENGMNPITDFYQOCD"
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BASE COUNT 695 a 593 c 649 g 676 t
ORIGIN
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        2613

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Matches 468: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctcagtgggagcgtgtgtctccgaatgaaggactcggcaltgaagtgcttat 60
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Db 163 ANGTCTCAGTGGGGCGCTGTGCTTCCGAATGAAGACTCCGCAATGAAGGCTTTAT 222
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QY 61 cgcgaataaacaagctttagctgtgaggtcgtgcatacgaaggagaaagcttaagttga 120
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Db 223 CTGCATTAATACCAAGCTTCTAGCTGAGGGCTGCATGCAAGGAGGTCAATTAAAGTGAA 282
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QY 121 gagatacagtggtccccaatcgtgtgctgagatgcagcctgtcccccgtlcaactcgtgt 180
    |||
Db 283 GAGATACAGCTGTGTCTCCCAATCGTGTGGATGCGAGCCTGTGCCCGCATCTGTGGG 342
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QY 181 gtccaaagtgtgaaagcagatgtcctgtcatgttggtgtgggagcagagccagacttaacta 240
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Db 343 GTCCAGAGGGGGAAGCCAGTGCCTGTATGTGGGGTGGGCAAGAGCCGACTTAACACTA 402
    |||

QY 241 gagccagtaacaatactgagactctatcttgtgtgccaagaatccaagaagctcaccttc 300
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Db 403 GAGCCAGTACATCATCTGAGCTCTATCTTTGGTCCCAAGAAATCCAAAGACTTACACTTC 462
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QY 301 taacggcggagacaatgggggtcaccctcagcttcagatcggtgtgcttaaccggcgtgttc 360
    |||
Db 463 TACCGGCGGAGACATGGGGCTCACCTCCAGCTTCGAGTGGGCTCCTACCCGGGCTGTTC 522
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QY 361 cgtgtcaggtgtcctgaagccgatacagctgtcatagactcaaccagcttcccgagaatgt 420
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Db 523 CTGTGACGCTGTCTTAAGCCGATGCAAGCTGTGAGACTCACCCAGCTTCCCGAATGTG 582
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QY 421 ggcctgaatgcccccaatacagaacttacttccagcaagtgtactag 468
    |||
Db 583 GGCTGGAATGCCCCCATCACAGACTTCTACTTCCACAGAGTGTACTAG 630
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RESULT 10
AX080398 465 bp DNA PAT 22-FEB-2001
LOCUS AX080398 Sequence 10 from Patent WO0105974.
DEFINITION AX080398
ACCESSION AX080398
VERSION AX080398.1 GI:13159844
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 465).
AUTHORS Nicklin,M. and Barton,J.
TITLE The IL-11 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 10 25-JAN-2001;
Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers
1..465
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 94 a 128 c 141 g 102 t
ORIGIN
Query Match 99.4%; Score 465; DB 6; Length 465;
Best Local Similarity 100.0%; Pred. No. 3.6e-270;
Matches 465; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 atgtctcagtgggagcgtgtgtctccgaatgaaggactcggcaltgaagtgcttat 60
    |||
Db 1 ANGTCTCAGTGGGGCGCTGTGCTTCCGAATGAAGACTCCGCAATGAAGGCTTTAT 60
    |||

QY 61 cgcgaataaacaagctttagctgtgaggtcgtgcatacgaaggagaaagcttaagttga 120
    |||
Db 61 CTGCATTAATACCAAGCTTCTAGCTGAGGGCTGCATGCAAGGAGGTCAATTAAAGTGAA 120
    |||

QY 121 gagatacagtggtccccaatcgtgtgctgagatgcagcctgtcccccgtlcaactcgtgt 180
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Db 121 GAGATACGGCTGTGCCCAATCGTGTGATGCCAGCCTGTCCCGCTCATCTGTGGT 180
QY 181 gtccaaagtgtgaaagcagatgtcctgtcatgttggtgtgggcaaggagccagcttaacta 240
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Db 181 GTCCAGAGGGGGAAGCCAGTGCCTGTATGTGGGGTGGGCAAGAGCCGACTTAACACTA 240
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QY 241 gagccagtaacaatactgagactctatcttgtgtgccaagaatccaagaagctcaccttc 300
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Db 241 GAGCCAGTACATCATCTGAGCTCTATCTTTGGTCCCAAGAAATCCAAAGACTTACACTTC 300
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QY 301 taacggcggagacaatgggggtcaccctcagcttcagatcggtgtgcttaaccggcgtgttc 360
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Db 301 TACCGGCGGAGACATGGGGCTCACCTCCAGCTTCGAGTGGGCTCCTACCCGGGCTGTTC 360
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QY 361 cgtgtcaggtgtcctgaagccgatacagctgtcatagactcaaccagcttcccgagaatgt 420
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QY 421 ggcctgaatgcccccaatacagaacttacttccagcaagtgtac 465
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RESULT 11
AX069304 357 bp DNA PAT 25-JAN-2001
LOCUS AX069304 Sequence 1 from Patent WO0102571.
DEFINITION AX069304
ACCESSION AX069304
VERSION AX069304.1 GI:12579176
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 357)
AUTHORS Ford,J. and Pace,A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 1 11-JAN-2001;
HYSEQ, INC. (US)
FEATURES
source Location/Qualifiers
1..357
/organism="Homo sapiens"
/db_xref="taxon:9606"
misc_feature 1..357
/note="n = A,T,C or G"
BASE COUNT 62 a 95 c 84 g 57 t 59 others
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Query Match 51.9%; Score 243; DB 6; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.4e-135;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 226 ccgactctaactagagccagtgaaatcatatgtgagcttatcttgtgtgccaagaatcc 285
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Db 1 CCGACTTCACTAGAGCCAGTGAACATCATGAGACTCTATCTGTGTCGAAGGATCC 60
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QY 286 aagaagcttaaccttaccggtggagacatggggtcaccctcagcttgagtgctgccc 345
    |||
Db 61 AAGAGCTTCACTTACCGCGGCGGACATGGGCTCACCTCCAGCTTCAAGTGGGTGCC 120
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QY 346 taacggagctgttctgtgtgacagtgacctgaagccagatcagctgtcagaactcacccag 405
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Db 121 TACCCGGGCTGTCTCTGTGACGAGTGCCTGAAGCCGATACGCTGTGACACTCACCCAG 180
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QY 406 ctccccagaaatgtgtcgtgaaatgccccatcacagaacttacttccagcagtgtagac 465
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Db 181 CTTCGCCAGAAATGTTGGCTGGAAATGCCCCCATCACAGACTTCTACTTCCAGCAGTGTGAC 240
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QY 466 tag 468
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Db 241 TAG 243

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RESULT 12
LOCUS AX069305 985 bp DNA PAT 25-JAN-2001
DEFINITION Sequence 2 from Patent WO0102571.
ACCESSION AX069305
VERSION AX069305.1 GI:12579177
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 (bases 1 to 985)
AUTHORS Ford,J. and Pace,A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 2 11-JAN-2001;
HYSEO, INC. (US)
FEATURES
source Location/Qualifiers
1..985
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BASE COUNT 232 a 264 c 249 g 240 t
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Best Local Similarity 100.0%; Pred. No. 1.4e-135;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 cggactctaacactagagcagtgaaacatcatgagagctctatcttgtagcgaagatcc 60
OY 286 aagagcttaacctcttaacccgcgagacatggggtctaacctcagcttcgagtcgctgc 345
DB 61 aagagcttaacctcttaacccgcgagacatggggtctaacctcagcttcgagtcgctgc 120
OY 346 tacccgggcttgctctctgtagcagctgctgtagagccgcatcagcttcgagtcgctgc 405
DB 121 tacccgggcttgctctctgtagcagctgctgtagagccgcatcagcttcgagtcgctgc 180
OY 406 ctcccgagaatgtagtgatgccccatcacagactcttaacttcagcagtgtagc 465
DB 181 ctcccgagaatgtagtgatgccccatcacagactcttaacttcagcagtgtagc 240
OY 466 tag 468
DB 241 TAG 243

RESULT 13
LOCUS AX069310 5751 bp DNA PAT 25-JAN-2001
DEFINITION Sequence 7 from Patent WO0102571.
ACCESSION AX069310
VERSION AX069310.1 GI:12579182
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 (bases 1 to 5751)
AUTHORS Ford,J. and Pace,A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 7 11-JAN-2001;
HYSEO, INC. (US)
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source Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4073 agccagtgaaactatcagagcctctatcttgtagcgaagaaatccaaagacttcaccttc 4132
OY 302 accgcgaggacatgggggtctcaacctccagcttcgagtcgctgaaccgggctggtcc 361
DB 4133 accgcgaggacatgggggtctcaacctccagcttcgagtcgctgaaccgggctggtcc 4192
OY 362 ttgtcaggttgctgtagaagccgcatcagctgtgtagatccacagcttcggagaatggtg 421
DB 4193 ttgtcaggttgctgtagaagccgcatcagctgtgtagatccacagcttcggagaatggtg 4252
OY 422 gctggaatgccccatcacagactcttaacttcgaagatgtagc 468
DB 4253 gctggaatgccccatcacagactcttaacttcgaagatgtagc 4299

RESULT 14
LOCUS AX080431 6540 bp DNA PAT 22-FEB-2001
DEFINITION Sequence 43 from Patent WO0105974.
ACCESSION AX080431
VERSION AX080431.1 GI:13159871
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 (bases 1 to 6540)
AUTHORS Nicklin,M. and Barton,J.
TITLE The il-111 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 43 25-JAN-2001;
Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers
1..6540
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 1747 a 1458 c 1709 g 1626 t
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4232 agccagtgaaactatcagagcctctatcttgtagcgaagaaatccaaagacttcaccttc 4291
OY 302 accgcgaggacatgggggtctcaacctccagcttcgagtcgctgaaccgggctggtcc 361
DB 4292 accgcgaggacatgggggtctcaacctccagcttcgagtcgctgaaccgggctggtcc 4351
OY 362 ttgtcaggttgctgtagaagccgcatcagctgtgtagatccacagcttcggagaatggtg 421
DB 4352 ttgtcaggttgctgtagaagccgcatcagctgtgtagatccacagcttcggagaatggtg 4411
OY 422 gctggaatgccccatcacagactcttaacttcgaagatgtagc 468
DB 4412 gctggaatgccccatcacagactcttaacttcgaagatgtagc 4458
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RESULT 15
LOCUS HSA271338 6540 bp DNA PRI 02-NOV-2000
DEFINITION Homo sapiens IL1L1 gene for Interleukin-1 like protein 1, exons
1-6.
ACCESSION AJ271338 GI:6729586
VERSION AJ271338.1
KEYWORDS IL1L1 gene; Interleukin-1 like protein 1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1 (bases 1 to 6540)
AUTHORS Barton,J.L., Herbst,R., Bosio,D., Higgins,L. and Nicklin,M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities
JOURNAL Eur. J. Immunol. 30 (11), 3299-3308 (2000)
MEDLINE 20545212
REFERENCE 2 (bases 1 to 6540)
AUTHORS Nicklin,M.J.H.
TITLE Direct Submission
JOURNAL Submitted (17-JAN-2000) Nicklin M.J.H., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Sheffield, South Yorkshire, UNITED KINGDOM
FEATURES
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/organism="Homo sapiens"
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/chromosome="2"
/map="2q13"
/clone="PAC 131J6"
<451..524
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/number=1
join(<451..524,1193..1248,2631..2716,3905..4032,
4234..6522)
/gene="IL1L1"
451..6522
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457..507
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/number=2
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/db_xref="GI:6729587"
/translation="MAGRKDRKKEGKE"
525..968
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/number=1
969..1022
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/number=2
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4234..6522)
/gene="IL1L1"
/note="alternative"
1023..1192
/gene="IL1L1"
/number=3
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/gene="IL1L1"
/function="putative cytokine or cytokine antagonist"
/codon_start=1
/product="interleukin-1 like protein 1"
/db_xref="GI:6729588"
/translation="VLSGALCFRRKDSALKVLYLHNNQLAGGLHAGKVIKGEETISV
VNRWLDASLSPVILGVGQSCVSGVQEPPLTLEPVNIMELYLGAKESKSFTEYR
RDMGLTSPESAAYPGWFLCTVPEADQPVRLTQLPENGMNAPITDFYFQCD"
CDS
exon
intron
mRNA
exon
intron

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intron 1249..2630
/gene="IL1L1"
/number=3
exon 2631..2716
/gene="IL1L1"
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intron 2717..3904
/gene="IL1L1"
/number=4
exon 3905..4032
/gene="IL1L1"
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intron 4033..4233
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exon 4234..6522
/gene="IL1L1"
/number=6

BASE COUNT 1747 a 1458 c 1709 g 1626 t
ORIGIN

Query Match 48.5%; Score 227; DB 9; Length 6540;
Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 agccagtgaaacatcatgagagctctatcttggtgccaaaggaatccaagagcttcactct 301
DB 4232 AGCCAGTGAACATCATGAGACCTTATCTTGTTGTCACCAAGGATCCAGAGCTTCT 4291
QY 302 accgcyggaacatlggggtcctacctcagcttcgagtcggctgctaccggygtgtcc 361
DB 4292 ACCGGGGGACATGGGGCTCACCTCCAGCTTCGAGTCGGCTGCTACCGGGGTGTC 4351
QY 362 tctgcaagtgctgtgaagccatcaagcctgctcaagctcaagcctccaggaatgtg 421
DB 4352 TGTGACAGGTGCTGTAAGCGGATCAGCTGTGTGAGACTCACCCGAGTCCGAGATGTG 4411
QY 422 gctggaatgcccatcacagacttctacttccagcagtgtagtag 468
DB 4412 GCTGAATGCCCATCACAGACTTCTACTTCCAGCAGTGTGACTAG 4458

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Job time: 7341 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:29:05 ; Search time 110.62 Seconds

(without alignments)
3627.086 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgtctctgagtgaggcgcct.....acttccagcagtgtagctag 468

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 930621 seqs, 428662619 residues

Word size : 30

Total number of hits satisfying chosen parameters: 22

Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

Database : N.Geneseq_1101.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	468	20	AAx89432
2	468	100.0	468	21	AAx51597
3	468	100.0	766	21	AAx09193
4	468	100.0	1025	22	AAx12295
5	468	100.0	1282	20	AAx30050
6	468	100.0	1282	22	AAx31353
7	468	100.0	1323	21	AAx50812
8	468	100.0	2490	21	AAx50813
9	468	100.0	2562	22	AAx21921
10	468	100.0	2598	22	AAx92133
11	468	100.0	2647	22	AAx31354

12	468	100.0	2648	20	AAx30051
13	243	51.9	357	22	AAx31351
14	243	51.9	358	20	AAx30048
15	243	51.9	985	22	AAx31352
16	233	49.8	985	20	AAx30049
17	227	48.5	5751	22	AAx31355
18	227	48.5	5752	20	AAx30052
19	227	48.5	6540	22	AAx27950
20	227	48.5	7605	20	AAx30053
21	227	48.5	7605	22	AAx31356
22	225	48.1	295	21	AAx51598

ALIGNMENTS

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RESULT 1
ID AAX89432 standard; DNA; 468 BP.
XX
AC AAX89432;
XX
DT 28-SEP-1999 (first entry)
XX
DE Human interleukin 1 delta encoding DNA.
XX
KW Interleukin 1 delta; IL-1 delta; glaucoma; ectodermal dysplasia;
KW Insulin-dependent diabetes mellitus; wrinkly skin syndrome;
KW T-cell leukemia; lymphoma; tibial muscular dystrophy; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 1..468
FT /tag= a
FT /product= "IL-1 delta"
XX
PN WO935268-A1.
XX
PD 15-JUL-1999.
XX
PF 08-JAN-1999; 99WO-US00514.
XX
PR 01-JUN-1998; 98US-0087393.
PR 09-JAN-1998; 98US-0071074.
XX
PA (IMV) IMMUNEX CORP.
XX
PI Sims JE;
XX
DR WPL: 1999-458310/38.
DR P-PSDB: AAX28408.
XX
PT Murine and Human interleukin 1 delta DNA, polypeptides and its
PT fragments, useful as molecular weight markers
XX
PS Claim 1: Page 68; 72pp; English.
XX
CC The present sequence encodes human interleukin 1 delta (IL-1 delta).
CC IL-1 delta proteins are useful for the determination of the molecular
CC weight of a sample protein. The protein and its fragments are useful as
CC controls for peptide fragmentation. This is useful for determining the
CC isoelectric point of a sample protein. Antibodies generated against
CC IL-1 delta and its fragmented peptides can be used to enhance the
CC accuracy of these molecular weight markers to determine the apparent
CC molecular weight and isoelectric point of a sample protein. IL-1 delta
CC can be used to screen for potential inhibitors of activity associated
CC with IL-1 delta counter-structure molecules. IL-1 delta can also be used
CC as therapeutic agents for the treatment of diseases mediated by IL-1
CC delta. IL-1 delta may be used as a reagent in studying the interleukin 1
CC (IL-1) signalling pathway, or as a reagent to block IL-1 signalling. The
CC IL-1 delta coding sequences can be used to identify human chromosome 2,
CC and to identify genes associated with certain diseases, especially with
```

CC region 2q11-12, including glaucoma, ectodermal dysplasia, insulin-
 CC dependent diabetes mellitus, wrinkly skin syndrome, T-cell leukemia/
 CC lymphoma and tibial muscular dystrophy.

XX
 XX
 SQ Sequence 468 BP; 95 A; 128 C; 142 G; 103 T; 0 other;

Query Match 100.0%; Score 468; DB 20; Length 468;
 Best Local Similarity 100.0%; Pred. No. 1.2e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 61 ctgcataataaccagcttctagctggaaggctgcattgcaggaagtcattaaagtgaa 120
 QY 121 gagatcagcgtgtccccaatcggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
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 Db 121 gagatcagcgtgtccccaatcggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
 QY 181 gtccagcgtgtgaagccagctgcctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgt 240
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 181 gtccagcgtgtgaagccagctgcctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgt 240
 QY 241 gagcagcgtgaacatcatgtgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgt 300
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 241 gagcagcgtgaacatcatgtgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgt 300
 QY 301 taccggcgggacatgtgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 360
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 301 taccggcgggacatgtgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 360
 QY 361 ctgtgcacggtgtccttgaagcgcgtatcagctgtgtgtgtgtgtgtgtgtgtgtgt 420
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 361 ctgtgcacggtgtccttgaagcgcgtatcagctgtgtgtgtgtgtgtgtgtgtgtgt 420
 QY 421 ggtctgaatgtcccccatcacagacttctacttccagcagtggtactag 468
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 421 ggtctgaatgtcccccatcacagacttctacttccagcagtggtactag 468

RESULT 2

AAAS1597
 ID AAAS1597 standard; DNA; 468 BP.

AC AAAS1597;

DT 31-OCT-2000 (first entry)

DE Human IL-1 receptor antagonist 3 DNA.

XX hIL-1ra3; human interleukin-1 receptor antagonist-3; IL-1ip; osteopathic;
 KW interleukin-1-like polypeptide; anti-inflammatory; anti-asthmatic;
 KW anti-arthritis; antimicrobial; respiratory; anti-ischemic; vaccine;
 KW dermatological; immunomodulatory; gastrointestinal; gene therapy; ds.

OS Homo sapiens.

XX Key Location/Qualifiers

FT CDS 1..468 /tag= a

FT product= hIL-1ra3

XX WO200039297-A2.

XX 06-JUL-2000.

XX 22-DEC-1999; 99WO-US30720.

XX 23-DEC-1998; 98US-0113430.

PR 22-JAN-1999; 99US-0116843.
 PR 13-APR-1999; 99US-0129122.

XX (GETH) GENENTECH INC.

PI Goddard A, Pan J;

DR WPI: 2000-452395/39.

DR P-PSDB: AAY66936.

PT Nucleic acids encoding interleukin-1-like polypeptides, useful for

PT preventing and treating e.g. inflammation, asthma and psoriasis

PS Claim 7; Fig 7; 143pp: English.

CC An isolated nucleic acid molecule encoding an interleukin-1-like
 CC polypeptide (IL-1ip) that retains one or more activities of the peptide
 CC from which it is derived, such as the IL-18R binding activity of a human
 CC interleukin-1 receptor antagonist-1 (hIL-1ra1) polypeptide, is new. The
 CC nucleic acids may be used in molecular engineering applications, e.g.
 CC hybridization assays and chromosome and gene mapping studies, for
 CC recombinantly producing the IL-1ip polypeptide or for producing gene
 CC knock out animals to study the role of the protein in metabolism and
 CC disease processes (conversely, gene therapy protocols may be used to
 CC supplement a patient's production of the polypeptide or to rectify
 CC mutations that lead to the production of an active peptides). The
 CC peptides produced may be used to screen for and produce modulators (e.g.
 CC antibodies) of IL-1ip protein expression and activity which may be use
 CC to treat disorders associated with inappropriate IL-1ip expression and
 CC activity, such as inflammatory disorders, asthma, arthritis,
 CC osteoarthritis, sepsis, acute lung injury, adult respiratory distress
 CC syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease,
 CC psoriasis, graft versus host disease and/or inflammatory bowel disease.

SQ Sequence 468 BP; 95 A; 128 C; 142 G; 103 T; 0 other;

Query Match 100.0%; Score 468; DB 21; Length 468;
 Best Local Similarity 100.0%; Pred. No. 1.2e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgttcctgagtgaggcgtgtgtgtctccgaatgaagcactcggcatgaagtgcttat 60
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1 atgttcctgagtgaggcgtgtgtgtctccgaatgaagcactcggcatgaagtgcttat 60
 QY 61 ctgcataataaccagcttctagctggaaggctgcattgcaggaagtcattaaagtgaa 120
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 61 ctgcataataaccagcttctagctggaaggctgcattgcaggaagtcattaaagtgaa 120
 QY 121 gagatcagcgtgtccccaatcggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 121 gagatcagcgtgtccccaatcggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
 QY 181 gtccagcgtgtgaagccagctgcctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgt 240
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 181 gtccagcgtgtgaagccagctgcctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgt 240
 QY 241 gagcagcgtgaacatcatgtgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgt 300
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 241 gagcagcgtgaacatcatgtgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgt 300
 QY 301 taccggcgggacatgtgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 360
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 301 taccggcgggacatgtgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 360
 QY 361 ctgtgcacggtgtccttgaagcgcgtatcagctgtgtgtgtgtgtgtgtgtgtgtgt 420
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 361 ctgtgcacggtgtccttgaagcgcgtatcagctgtgtgtgtgtgtgtgtgtgtgtgt 420
 QY 421 ggtctgaatgtcccccatcacagacttctacttccagcagtggtactag 468
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 421 ggtctgaatgtcccccatcacagacttctacttccagcagtggtactag 468

XX	RESULT	3
ID	AAA09193	standard; DNA; 766 BP.
XX	AAA09193;	
XX	10-AUG-2000	(first entry)
DT		
XX	Human IL-1 homologue, hzlla3 coding sequence.	
DE		
XX	Generic: interleukin-1; IL-1; homologue; zllla3; anti-inflammatory;	
KW	antagonist; pro-inflammatory; agonist; immunomodulator; antiarthritic;	
KW	antiinflammatory; osteopathic; antipsoriatic; antibacterial; cytostatic;	
KM	immunosuppressive; antitumor; antidiabetic; nephrotropic; vasotropic;	
KV	vulnerable; Zq14; ss.	
XX		
OS	Homo sapiens.	
XX		
FH	Location/Qualifiers	
FT	CDS	72..539
FT		/tag= a
XX		
PN	WO200020595-A1.	
XX		
PD	13-APR-2000.	
XX		
PF	08-OCT-1999;	99WO-US23533.
XX		
PR	08-OCT-1998;	98US-0169745.
XX		
PA	(ZYMO) ZYMOGENETICS INC.	
XX		
PI	.Sheppard PO, West RR, Clegg CH;	
DR	WPI; 2000-303780/26.	
DR	P-PSDB; AAY92257.	
XX		
PT	Proteins useful for treatment of inflammatory conditions such as	
PT	rheumatoid arthritis and psoriasis are agonists or antagonists forms of	
PT	new interleukin-1 homologue	
XX		
PS	Disclosure; Page 51-52; 64pp; English.	
XX		
CC	This DNA encodes an interleukin-1 (IL-1) homologue, designated zllla3.	
CC	The zllla3 gene maps to chromosome 2q14 and showed linkage to framework	
CC	marker AFMa037xfl with a LOD score of 13.	
CC	It is believed that zllla3 acts through IL-1 receptors. In general,	
CC	zllla3 proteins having a Lys residue at position 148 will have	
CC	anti-inflammatory activity (e.g. AAY92256), whilst those having Asp	
CC	(see AAY92254) or Glu at this position will have pro-inflammatory	
CC	action. zllla3 is used to modulate an immune response in an animal	
CC	(claimed). Antagonists zllla3 forms may be used to treat or prevent	
CC	chronic inflammatory diseases such as rheumatoid arthritis,	
CC	osteoarthritis and Lyme arthritis, psoriasis, to reduce tissue damage	
CC	after ischemia, to treat septic shock, graft-versus-host disease and	
CC	leukemia. The antagonists may also alleviate inflammatory bowel disease	
CC	including Crohn's disease and ulcerative colitis, insulin-dependent	
CC	diabetes mellitus, acute pancreatitis, glomerulonephritis and cerebral	
CC	ischemia. Agonist forms of zllla3 may promote wound healing by IL-1	
CC	effects on growth factor secretion and cell proliferation. They may also	
CC	treat infections, especially gastrointestinal infections.	
XX		
QJ	Sequence 766 BP; 154 A; 214 C; 230 G; 168 T; 0 other;	

Query Match	100.0%	Score 468:	DB 21:	Length 766:
Best Local Similarity	100.0%	Pred. NO. 1.2e-221:		
Matches 468:	Conservative 0:	Mismatches 0:	Indels 0:	Gaps 0:
QY	1 atggtctcgaatgagggcgcctgtgcttcgcgaatgaagacatgcgcatctgaagtgctttat	60		
72 atggctccgaatbtgggcgcctgctgcgctccgaagaagacatgcgcatctgaagtgctttat	131			

Oy	61	ctgcatataataccagccttctagctctgagaggtctcatcgcagggagaaggtctcttaagaagtga	120
Db	132	ctgatatataaacccagctctctagctctgagaggtctcatcgcagggagaaggtctcttaagaagtga	191
Oy	121	gagctcagcgtggtgccccaatctgctgagctcagacagctgtcccccgctcaactcttgagt	180
Db	192	gagatcacgtctgtcccccaatctggtctgagctcagacagctgtcccccgctcaactcttgagt	251
Oy	181	gtccagaggtctggaagccagctgcctcgtcatctgtggtctgaggtctgagagagccagactctaaacta	240
Db	252	gtccagaggtctggaagccagctgcctcgtcatctgtggtctgagagagccagactctaaacta	311
Oy	241	gagccagatgaaacatcatctgagctctcatctctgtgtgcacagaatccaaagcttcaccttc	300
Db	312	gagccagatgaaacatcatctgagctctcatctctgtgtgcacagaatccaaagcttcacacttc	371
Oy	301	taccggcgagacatggtggtcacctccagcttgaatctgctgtgccttaaccggcgctgttc	360
Db	372	taccggcgagacatggtggtcacctccagcttgaatctgctgtgccttaaccggcgctgttc	431
Oy	361	ctgtgcacagctgtccctgtaagccgaatcagacccgtctgaagactcaaccagctctccgaagaatggt	420
Db	432	ctgtgcacagctgtccctgtaagccgaatcagacccgtctgaagactcaaccagctctccgaagaatggt	491
Oy	421	ggtctggaatgtccccaatcacagaagcttctactcttcagcaggtgtgactag	468
Db	492	ggtctggaatgtccccaatcacagaagcttctactcttcagcaggtgtgactag	539

RESULT	4	
AAD12295		
ID	AAD12295	standard; DNA; 1025 BP.
XX		
AC	AAD12295;	
XX		
DT	16-OCT-2001	(first entry)
XX		
DE	Human interleukin-Idelta (IL-Idelta) protein DNA.	
XX		
KW	Human; interleukin-Idelta; IL-Idelta; virucide; hepatotropic; fever;	
KW	immunological disorder; tumor; inflammatory disorder; hypoglycaemia;	
KW	autoimmune disease; pulmonary tuberculosis; fulminant hepatitis; leprosy;	
KW	psoriasis; viral infection; allergy; cytokine; HIV; drug screening; ds.	
XX		
OS	Homo sapiens.	
XX		
FH	Key	Location/Qualifiers
FT	CDS	58..525
FT		/+tag= a
FT		/product= "Human interleukin-Idelta (IL-Idelta) protein"
XX		
PN	W0200157219-A2.	
XX		
PD	09-AUG-2001.	
XX		
PE	01-FEB-2001; 2001MO-US03285.	
XX		
PR	02-FEB-2000; 2000US-0179638.	
XX		
PA	(SCHE) SCHERING CORP.	
XX		
PI	Debets JEMA, Timans JC, Bazan JF, Kastelein RA;	
XX		
DR	WP1: 2001-488886/53.	
XX		
PT	P-PSDB: AAE06655.	
XX		
PT	Novel isolated or recombinant antigenic interleukin-1 delta or epsilon	
PT	polypeptide useful for treating conditions exhibiting abnormal	
PT	expression of interleukin such as immunological disorders, tumor and	
XX	allergy	
XX		
PS	Claim 18; Page 84-85; 103pp; English.	

XX The invention relates to recombinant antigenic interleukin-1 like
CC molecules and their corresponding nucleic acid sequences, designated
CC as interleukin-1delta (IL-1delta) and interleukin-1epsilon (IL-1epsilon).
CC IL-1delta and IL-1epsilon are useful for treating conditions exhibiting
CC abnormal expression of the interleukin such as immunological disorders,
CC tumours, inflammatory disorders, fever, hypoglycaemia, psoriasis,
CC allergy, autoimmune diseases and infectious diseases (e.g., pulmonary
CC tuberculosis, leprosy, fulminant hepatitis, and viral infections such as
CC HIV). The invention also relates to methods of using the composition
CC containing IL-1delta or IL-1epsilon for both diagnostic and therapeutic
CC utilities. IL-1delta is used as an immunogen for the production of
CC antisera or antibodies specific, e.g., capable of distinguishing between
CC IL-1 family members and an IL-1delta, for the interleukin or its
CC fragment. The purified interleukin is used as a reagent to detect any
CC antibodies generated in response to the presence of elevated levels of
CC expression, or immunological disorders which lead to antibody production
CC to the endogenous cytokine. The invention also contemplates the use of
CC competitive drug screening assays. The present DNA sequence encodes human
CC interleukin-1delta (IL-1delta) protein.
XQ
XQ Sequence 1025 BP; 218 A; 280 C; 299 G; 228 T; 0 other;

Query Match	100.0%	Score 468; DB 22;	Length 1025;
Best Local Similarity	100.0%;	Pred. No. 1.2e-229;	
Matches 468; Conservative	0;	Mismatches	0; Gaps 0;

OY	1	atgctctcgtgagtcggcgctgctgtgtctccgagatgaaggaactcgagcatctgaaggtgctttat	60
Db	58	atgcctccggaatctgggctgctgtgtctctccgaaatgaagaactccgagcatctgaaggtgctttat	117
OY	61	ctgcataataacacgcgcctctctgagctcgagagggctcgaatcgacaagaggaagctcatataaagctga	120
Db	118	ctgcataataacacgcgcctctctgagctcgagagggctcgatcgacaggaagctcatataaagctga	177
OY	121	gagatcaagctgtgtctcccaatcggctggctgtgaatgacagcctgtctcccgctcatctcgtgt	180
Db	178	gagatcaagctgtgtctcccaatcggctggctgtgaatgacagcctgtctcccgctcatctcgtgt	237
OY	181	gtccagagctggaagaacgcagctgtcctctcaatgctggggctggagagagccgagatctcaacata	240
Db	238	gtccagagctggaagaacgcagctgtcctctcaatgctggggctggagagagccgagatctcaacata	297
OY	241	gagccagatgaacatcatatgtagctctatctctgtgtgtgcagaagaatccaagagcttcaccttc	300
Db	298	gagccagatgaacatcatatgtagctctatctctgtgtgtgcagaagaatccaagagcttcaccttc	357
OY	301	taccggtcggtgagacatggtggctacctccagctctgaaatgctcggctctgcaccgggtctgcttc	360
Db	358	taccggtcggtgagacatggtggctacctccagctctgaaatgctcggctctgcaccgggtctgcttc	417
OY	361	ctgtgtcaaggtgtgctctgaaagccgaatcagacgcctgtctcagagatccacacagctctcccggaatggt	420
Db	418	ctgtgtcaaggtgtgctctgaaagccgaatcagacgcctgtctcagagatccacacagctctcccggaatggt	477
OY	421	ggctcgtgaatgtcccccatcacaagaattctactctccagtgagtgctactag	468
Db	478	ggctcgtgaatgtcccccatcacaagaattctactctccagtgagtgctactag	525

RESULT 5
AA230050
ID AA230050 standard; cDNA; 1282 BP.
XX
XX
AC
AC
XX
XX
AA230050;
26-JAN-2000 (first entry)
DT
DT
XX
XX
DE cDNA encoding a human interleukin-1 receptor antagonist.
XX
XX Human; interleukin-1 receptor; IL-1; antagonist; sepsis;
KW acute pancreatitis; endotoxic shock; cytokine induced shock;

KW rheumatoid arthritis; chronic inflammatory arthritis;
 KW pancreatic cell damage; diabetes mellitus type 1;
 KW graft versus host disease; inflammatory bowel disease;
 KW inflammation; pulmonary disease; autoimmune disease;
 KW inflammatory disease; antiproliferative; myelogenous leukemia;
 KW premature labor; intrauterine infection; nutritional activity;
 KW hematopoiesis regulating activity; tissue growth activity;
 KW activin activity; inhibin activity; chemotactic activity;
 KW chemokinetic activity; hemostatic activity; thrombolytic activity;
 KW anti-inflammatory activity; ss

OS	homo sapiens.	
XX		
PN	W09951744-A2.	
XX		
PD	14-OCT-1999.	
XX		
PE	05-APR-1999;	99WO-US04291
XX		
PR	03-APR-1996;	98US-0055010.
PR	15-MAY-1996;	98US-0079909.
PR	20-AUG-1996;	98US-0083664.
PR	19-JUN-1996;	98US-0099818.
PR	31-JUL-1996;	98US-0127698.
PR	13-AN-1999;	99US-0228591.
PR	17-FEB-1999;	99US-0251370.

PA (HYSE-) HYSEQ INC.
XX
XX
PI Drmanac R, Crkvenjakov R, Dickson M, Drmanac S, Labat I,
PI Leschikowitz D, Klla D, Ford J, Pace A, Alfinito M,
PI
PI WPI, 1999-611042/52.
DR P-PSDB: AAY43526.
DR

PT New isolated interleukin-1 receptor binding polypeptides, used to treat
PT e.g., sepsis, shock, arthritis, pancreatitis, graft-versus-host disease,
XX inflammatory disease, autoimmune disease or proliferative disease -
PS Claim 1; Fig 5; 123pp; English.

Claim 1; Fig 5; 123pp; English.

The present sequence encodes a human interleukin-1 (IL-1) receptor antagonist. The encoded polypeptide is capable of binding IL-1 receptors (IL-1Rs). The polynucleotides and polypeptides can be used for the prevention or treatment of disorders involving sepsis, acute pancreatitis, endotoxic shock, cytokine induced shock, rheumatoid arthritis, chronic inflammatory arthritis, pancreatic cell damage from diabetes mellitus type 1, graft versus host disease, inflammatory bowel disease, inflammatory associated with pulmonary disease, other autoimmune disease, inflammatory disease, an antiproliferative agent such as for acute or chronic myelogenous leukemia or in the prevention of premature labor secondary to intrauterine infections. They can also exhibit activities such as e.g. nutritional activity, cytokine and cell proliferation/differentiation activity, immune stimulating or suppressing activity, hematopoiesis regulating activity, tissue growth activity, activin/inhibin activity, chemotactic/chemokinetic activity, hemostatic and thrombolytic activity, receptor/ligand activity, and anti-inflammatory activity. The products can also be used for detection, diagnosis and drug screening.

Sequence 1282 BP; 293 A; 337 C; 350 G; 301 T; 1 other;

Query Match	100.0%	Score 468;	DB 20;	Length 1282;
Best Local Similarity	100.0%;	Pred. No. 1.2e-229;		
Matches 468; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 atgagccagagatgggacgcctgtgctccgaatgaagacccggacattgaaggtgcttat 60
Db 73 atgagccagatgggacgcctgtgctccgaatgaagacccggacattgaaggtgcttat 132
Qy 61 ctgcatataaccagcctctcagctcgagaggtctgcatgacaggtcatatgaagtgtgaa 120

Db 133 ctgataataaccagctctctagctgagaggtgcatgacggaaggtcaatlaaagtgaa 192
QY 121 gagatcaagctgtgtcccaatcggtgtgctggaatgccaacgtgtcccccgtacatctctggt 180
Db 133 gagatcaagctgtgtgtcccaatcggtgtgctggaatgccaacgtgtcccccgtacatctctggt 252
QY 181 gtccaggggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccaggggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggtggt 312
QY 241 gaggcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 300
Db 313 gaggcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 372
QY 301 tacccggggagacatggtggtcaccctcagctcagctcagctcagctcagctcagctcagctcagct 360
Db 373 tacccggggagacatggtggtcaccctcagctcagctcagctcagctcagctcagctcagctcagct 432
QY 361 ctgtgcaagctgtgctggaagcagctcagctcagctcagctcagctcagctcagctcagctcagct 420
Db 433 ctgtgcaagctgtgctggaagcagctcagctcagctcagctcagctcagctcagctcagctcagct 492
QY 421 ggtctggaatgcccccatcacagacttctactctcagcagtgtagctag 468
Db 493 ggtctggaatgcccccatcacagacttctactctcagcagtgtagctag 540

RESULT 6

AAF31353
ID AAF31353 standard; cDNA: 1282 BP.

XX AAF31353;

DT -05-APR-2001 (first entry)

DE . Extension of B2HFLS20W cDNA library sequence #2.

XX Interleukin; IL-1 receptor; cancer; inflammation; ss.

OS Homo sapiens.

PN WO200102571-A2.

PD 11-JAN-2001.

XX 07-JUL-2000; 2000WO-US18710.

PR 07-JUL-1999; 99US-0348942.

PR 13-OCT-1999; 99US-0417455.

PR 08-DEC-1999; 99US-0457626.

PR 10-MAR-2000; 2000US-0523552.

PR 22-MAY-2000; 2000US-0576008.

PA (HXSE-) HXSEQ INC.

PI Ford J, Pace A;

XX WPI: 2001-071582/08.

XX Isolated nucleic acids encoding interleukin-1 (IL-1) receptor

XX antagonist proteins (referred as IL-1Hyl), useful in the treatment of

XX inflammatory disease mediated by IL-18 -

XX Claim 1; Fig 5; 17ppp; English.

XX The present invention relates to interleukin (IL)-1 receptor

XX antagonist proteins. IL-1Hyl is useful for treating cancer,

XX an inflammatory disease mediated by IL-18, inflammation

XX resulting from infection or allergic reactions, and inflammation

XX associated with chronic bronchitis, arthritis, diabetes or

XX endothermia.

SQ Sequence 1282 BP; 294 A; 337 C; 350 G; 301 T; 0 other;

Query Match

Best Local Similarity 100.0%; Score 468; DB 22; Length 1282;

Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtcccttaagtggggcgtgtgtctccgaatgaagagctcgacttgaagtgcttat 60
Db 73 atgtcccttaagtggggcgtgtgtctccgaatgaagagctcgacttgaagtgcttat 132
QY 61 ctgataataaccagctctctagctgagaggtgcatgacggaaggtcaatlaaagtgaa 120
Db 133 ctgataataaccagctctctagctgagaggtgcatgacggaaggtcaatlaaagtgaa 192
QY 121 gagatcaagctgtgtgtcccaatcggtgtgctggaatgccaacgtgtcccccgtacatctctggt 180
Db 193 gagatcaagctgtgtgtgtcccaatcggtgtgctggaatgccaacgtgtcccccgtacatctctggt 252
QY 181 gtccaggggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccaggggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggtggt 312
QY 241 gaggcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 300
Db 313 gaggcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 372
QY 301 tacccggggagacatggtggtcaccctcagctcagctcagctcagctcagctcagctcagctcagct 360
Db 373 tacccggggagacatggtggtcaccctcagctcagctcagctcagctcagctcagctcagctcagct 432
QY 361 ctgtgcaagctgtgctggaagcagctcagctcagctcagctcagctcagctcagctcagctcagct 420
Db 433 ctgtgcaagctgtgctggaagcagctcagctcagctcagctcagctcagctcagctcagctcagct 492
QY 421 ggtctggaatgcccccatcacagacttctactctcagcagtgtagctag 468
Db 493 ggtctggaatgcccccatcacagacttctactctcagcagtgtagctag 540

RESULT 7

AAZ50812
ID AAZ50812 standard; cDNA: 1323 BP.

XX AAZ50812;

DT 31-MAY-2000 (first entry)

XX Human TANGO-93 cDNA.

XX TANGO-93; cytokine; human; secreted protein; IL-1 expression; cancer;

XX Interleukin-1 receptor antagonist; IL-1ra; inflammation; antiasthmatic;

XX immunosuppressive; antirheumatic; antiarthritic; antipsoriatic; forensic;

XX antineoplastic; antibacterial; antitumor; cytostatic; immunomodulator;

XX osteopathic; dermatological; antidiabetic; psoriasis; ulcerative colitis;

XX graft vs.-host disease; rheumatoid arthritis; inflammatory bowel disease;

XX septic shock; cachexia; Crohn's disease; chronic myelogenous leukemia;

XX liver disease; diabetes; osteoarthritis; Hodgkin's disease; Lyme disease;

XX autoimmune disease; myasthenia gravis; pharmacogenomic; chromosome 2;

XX diagnosis; asthma; systemic lupus erythematosus; transgenic animal; ss.

OS Homo sapiens.

PN WO200008045-A2.

Location/Qualifiers

Key 57..524

/*tag= a

/product= "Human TANGO-93 protein"

/note= "Has 53% homology to human Interleukin-1 receptor

antagonist (IL-1ra)"

3'UTR 525..1323

/*tag= b

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XX 17-FEB-2000.
XX
XX 06-AUG-1999; 99WO-US17886.
XX
XX 07-AUG-1998; 98US-0131263.
XX
XX (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
XX
XX Pan Y;
XX
XX WPI: 2000-205669/18.
XX
XX P-PSDB: AAY45062.
XX
XX Isolated nucleic acid sequences encoding TANGO-93 polypeptide useful
XX for treating a variety of cellular processes e.g. asthma, rheumatoid
XX arthritis, psoriasis and autoimmune diseases
XX
XX Claim 2a; Fig 2; 113pp; English.
XX
XX The present sequence is the cDNA encoding the human TANGO-93, a
XX secreted protein that belongs to the cytokine superfamily. It plays a
XX role similar to the secreted Interleukin-1 receptor antagonist (IL-1ra)
XX and its expression is developmentally regulated in the uterus, placenta
XX and skeletal muscles. Human TANGO-93 gene is mapped to chromosome 2,
XX within the IL-1 cluster. TANGO-93 modulates immune mediated inflammation
XX and IL-1 gene or protein expression. TANGO-93 is useful as a modulating
XX agent for regulating cellular processes like asthma, graft vs-host
XX disease, rheumatoid arthritis, psoriasis, inflammatory bowel disease,
XX septic shock, ulcerative colitis, Crohn's disease, chronic myelogenous
XX leukaemia, cancer, liver disease, Hodgkin's disease, osteoarthritis,
XX Lyme disease, cachexia, and autoimmune diseases e.g. myasthenia gravis,
XX autoimmune diabetes and systemic lupus erythematosus. Partial TANGO-93
XX sequences are useful in forensic biology, for diagnostic and prognostic
XX assays, prophylactic and therapeutic treatment and pharmacogenomics. The
XX DNA sequence is useful as hybridisation probe and primers, for isolation
XX of TANGO-93 sequence and for the creation of transgenic animals.
XX
XX Sequence 1323 BP; 315 A; 338 C; 353 G; 317 T; 0 other:

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Query Match      100.0%; Score 468; DB 21; Length 1323;
Best Local Similarity 100.0%; Pred. No. 1.1e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 atggtctcctagatggggcgctgtgtcttcgaaatgaagagctcgagctggaagtgtttaa 60
   |||||||
DB 57 atggtctcctagatggggcgctgtgtcttcgaaatgaagagctcgagctggaagtgtttaa 116
   |||||||
QY 61 ctgcataataacaagcttctagctgtagggctcagcagggaggaagcttaaaagttaa 120
   |||||||
DB 117 ctgcataataacaagcttctagctgtagggctcagcagggaggaagcttaaaagttaa 176
   |||||||
QY 121 gagatcagcgtgtgtccccaatcggtgtgtgagatgcagcctgtcccccgtcatcctggat 180
   |||||||
DB 177 gagatcagcgtgtgtccccaatcggtgtgtgagatgcagcctgtcccccgtcatcctggat 226
   |||||||
QY 181 gtccaggggtgggaagccagctgtatctgtgggtgtgggcaagagccgactctaaacta 240
   |||||||
DB 237 gtccaggggtgggaagccagctgtatctgtgggtgtgggcaagagccgactctaaacta 296
   |||||||
QY 241 gggcagatgaatcatatgagctctatctgtggcacaagaatccaagagctcaccttc 300
   |||||||
DB 297 gggcagatgaatcatatgagctctatctgtggcacaagaatccaagagctcaccttc 356
   |||||||
QY 301 tacccgaggaatgggggtcactcactcagcttcagatcggtgtgctaccacgggctgttc 360
   |||||||
DB 357 tacccgaggaatgggggtcactcactcagcttcagatcggtgtgctaccacgggctgttc 416
   |||||||
QY 361 ctgtgacaggtcctcgaagccgatacagctgtcagagctacccagctcccgagaatggt 420
   |||||||
DB 417 ctgtgacaggtcctcgaagccgatacagctgtcagagctacccagctcccgagaatggt 476

```

```

QY 421 ggtcgaatgccccatcacagacttctactccagcagtgtagctag 468
   |||||||
DB 477 ggtcgaatgccccatcacagacttctactccagcagtgtagctag 524
   |||||||

RESULT 8
AA250813
ID AA250813 standard; cDNA; 2490 BP.
XX
XX AA250813;
XX
XX 31-MAY-2000 (first entry)
XX
XX Human TANGO-93 cDNA with additional 3'UTR sequence.
XX
XX TANGO-93; cytokine; human; secreted protein; IL-1 expression; cancer;
XX Interleukin-1 receptor antagonist; IL-1ra; inflammation; antilastmatic;
XX immunosuppressive; antibacterial; antiarthritic; antipsoriatic; asthma;
XX antinflammatory; antidiabetic; antitumor; cytotoxic; immunomodulator;
XX osteopathic; dermatological; antidiabetic; psoriasis; ulcerative colitis;
XX graft vs-host disease; rheumatoid arthritis; inflammatory bowel disease;
XX septic shock; cachexia; Crohn's disease; chronic myelogenous leukaemia;
XX liver disease; diabetes; osteoarthritis; Hodgkin's disease; Lyme disease;
XX autoimmune disease; myasthenia gravis; pharmacogenomic; diagnosis;
XX systemic lupus erythematosus; forensic; transgenic animal; ss.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX CDS 63..530
XX
XX /*tag= a
XX /*product= "Human TANGO-93 protein"
XX /*note= "Has 53' homology to human Interleukin-1 receptor
XX antagonist (IL-1ra)"
XX 3'UTR 531..2490
XX
XX /*tag= b
XX /*note= "Additional sequences"
XX
XX MO200008045-A2.
XX
XX 17-FEB-2000.
XX
XX 06-AUG-1999; 99WO-US17886.
XX
XX 07-AUG-1998; 98US-0131263.
XX
XX (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
XX
XX Pan Y;
XX
XX WPI: 2000-205669/18.
XX
XX Isolated nucleic acid sequences encoding TANGO-93 polypeptide useful
XX for treating a variety of cellular processes e.g. asthma, rheumatoid
XX arthritis, psoriasis and autoimmune diseases
XX
XX Example 2; Fig 5; 113pp; English.
XX
XX The present sequence is the cDNA encoding the human TANGO-93, with
XX additional 3'UTR sequence. It is a secreted protein that belongs to the
XX cytokine superfamily. It plays a role similar to secreted Interleukin-1
XX receptor antagonist (IL-1ra). TANGO-93 modulates immune mediated
XX inflammation and IL-1 gene or protein expression. TANGO-93 is useful as
XX a modulating agent for regulating cellular processes like asthma, graft
XX vs-host disease, rheumatoid arthritis, psoriasis, inflammatory bowel
XX disease, septic shock, ulcerative colitis, Crohn's disease, chronic
XX myelogenous leukaemia, cancer, liver disease, Hodgkin's disease,
XX osteoarthritis, Lyme disease, cachexia, and autoimmune diseases e.g.
XX myasthenia gravis, autoimmune diabetes and systemic lupus erythematosus.
XX Partial TANGO-93 sequences are useful in forensic biology, for diagnostic
XX and prognostic assays, prophylactic and therapeutic treatment and
XX pharmacogenomics. The DNA sequences are useful as hybridisation probes
XX and primers, for isolation of TANGO-93 sequence and for the creation of

```

CC transgenic animals.
XX
SQ Sequence 2490 BP; 650 A; 571 C; 619 G; 650 T; 0 other;

Query Match 100.0%; Score 468; DB 21; Length 2490;
Best Local Similarity 100.0%; Pred. No. 1,1e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctccgaatggggcgctgtgtctccgaatgaagagctcggaatgaaggtgtcttat 60
DB |||||||
DB 63 atgtctccgaatggggcgctgtgtctccgaatgaagagctcggaatgaaggtgtcttat 122
QY 61 ctgtcataaaccagctctagctggaaggctcagcaggaagatcaataaagtgtaa 120
DB |||||||
DB 123 ctgtcataaaccagctctagctggaaggctcagcaggaagatcaataaagtgtaa 182
QY 121 gagatcagcgtgtgtcccaatcgtgtgcttgatgccaagctgtcccgatccttggt 180
DB |||||||
DB 183 gagatcagcgtgtgtcccaatcgtgtgcttgatgccaagctgtcccgatccttggt 242
QY 181 gtccaagggtggaagcgaatgtctgtcatgtgtgtgtggaagcgaagcgaacttaacta 240
DB |||||||
DB 243 gtccaagggtggaagcgaatgtctgtcatgtgtgtgtggaagcgaagcgaacttaacta 302
QY 241 gagcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 300
DB |||||||
DB 303 gagcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 362
QY 301 taccggcggaacatgtgggtcgaactcgaactcgaactcgaactcgaactcgaactcga 360
DB |||||||
DB 363 taccggcggaacatgtgggtcgaactcgaactcgaactcgaactcgaactcgaactcga 422
QY 361 ctgtgcaagcgtgtgctggaagcgaatcgaactcgaactcgaactcgaactcgaactcga 420
DB |||||||
DB 423 ctgtgcaagcgtgtgctggaagcgaatcgaactcgaactcgaactcgaactcgaactcga 482
QY 421 ggcctggaatgcccccatcacagactctactctccagcagctgtgactag 468
DB |||||||
DB 483 ggcctggaatgcccccatcacagactctactctccagcagctgtgactag 530

RESULT 9
AAF27921
ID AAF27921 standard; cDNA; 2562 BP.

XX
AC AAF27921;

XX
DT 08-MAY-2001 (first entry)

XX
DE Human IL-1L1 coding sequence.

XX
KW Human; IL-1L1; interleukin-1 locus; IL-1beta; IL-1receptor; psoriasis;
KW chromosome 2q13; inflammatory disease; heart disease; Graves' disease;
KW rheumatoid arthritis; inflammatory bowel disorder; diabetes; cancer;
KW osteoporosis; systemic lupus erythematosus; ss.

XX
OS Homo sapiens.

XX
FH Key Location/Qualifiers
FT CDS 30..497

XX
FT /tag= a
FT /product= "IL-1L1"
FT /note= "this region is specifically claimed"

XX
PN W0200105974-A2.

XX
PD 25-JAN-2001.

XX
PF 17-JUL-2000; 2000MO-US19508.

XX
PR 16-JUL-1999; 99US-0144298.

PA (INTE-) INTERLEUKIN GENETICS INC.

XX
PI Nicklin M, Barton J;

XX
DR WPI; 2001-091974/10.

XX
PT Nucleic acids encoding human and murine interleukin-1L1 polypeptides
XX useful for controlling inflammatory processes -

XX
PS Claim 12; Fig 1; 150pp; English.

XX
CC The present invention provides the protein and coding sequences of the
CC human and murine interleukin-1L1 (IL-1L1) proteins. The IL-1L1 gene is
CC located between the IL-1beta and IL-1receptor genes at human chromosome
CC 2q13. The sequences are useful in the diagnosis, prevention and treatment
CC of heart disease, cancer and inflammatory diseases such as rheumatoid
CC arthritis, systemic lupus erythematosus, inflammatory bowel disorder,
CC diabetes, psoriasis, osteoporosis, lichen sclerosus, ulcerative colitis,
CC severe periodontal disease and pregnancy complications. The present
CC sequence is the human IL-1L1 coding sequence.

XX
SQ Sequence 2562 BP; 678 A; 579 C; 635 G; 670 T; 0 other;

Query Match 100.0%; Score 468; DB 22; Length 2562;
Best Local Similarity 100.0%; Pred. No. 1,1e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctccgaatggggcgctgtgtctccgaatgaagagctcggaatgaaggtgtcttat 60
DB |||||||
DB 30 atgtctccgaatggggcgctgtgtctccgaatgaagagctcggaatgaaggtgtcttat 89
QY 61 ctgtcataaaccagctctagctggaaggctcagcaggaagatcaataaagtgtaa 120
DB |||||||
DB 90 ctgtcataaaccagctctagctggaaggctcagcaggaagatcaataaagtgtaa 149
QY 90 ctgtcataaaccagctctagctggaaggctcagcaggaagatcaataaagtgtaa 180
DB |||||||
DB 121 gagatcagcgtgtgtcccaatcgtgtgctggaactcgaactcgaactcgaactcgaactcga 180
DB |||||||
DB 150 gagatcagcgtgtgtcccaatcgtgtgctggaactcgaactcgaactcgaactcgaactcga 209
QY 150 gagatcagcgtgtgtcccaatcgtgtgctggaactcgaactcgaactcgaactcgaactcga 240
DB |||||||
DB 210 gtccaagggtggaagcgaatgtctgtcatgtgtgtgtggaagcgaagcgaacttaacta 269
QY 210 gtccaagggtggaagcgaatgtctgtcatgtgtgtgtggaagcgaagcgaacttaacta 300
DB |||||||
DB 241 gagcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 300
DB |||||||
DB 270 gagcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 329
QY 270 gagcagtggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 360
DB |||||||
DB 330 taccggcggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 389
QY 330 taccggcggaacatcatgtgagctctatctgtgtgccaaggaatccaagcttcaccttc 420
DB |||||||
DB 361 ctgtgcaagcgtgtgctggaagcgaatcgaactcgaactcgaactcgaactcgaactcga 420
DB |||||||
DB 390 ctgtgcaagcgtgtgctggaagcgaatcgaactcgaactcgaactcgaactcgaactcga 449
QY 421 ggcctggaatgcccccatcacagactctactctccagcagctgtgactag 468
DB |||||||
DB 450 ggcctggaatgcccccatcacagactctactctccagcagctgtgactag 497

RESULT 10

AAF92133
ID AAF92133 standard; cDNA; 2598 BP.

XX
AC AAF92133;

XX
DT 15-MAY-2001 (first entry)

XX
DE Human PRO4342 cDNA.

XX
KW Human; PRO protein; mapping; ss.

OS Homo sapiens.
 XX WO200116318-A2.
 PN
 XX
 PD 08-MAR-2001.
 XX
 XX 24-AUG-2000; 2000WO-US23328.
 PF
 XX 01-SEP-1999; 99WO-US20111.
 PR 15-SEP-1999; 99WO-US21090.
 PR 07-DEC-1999; 99US-0169495.
 PR 09-DEC-1999; 99US-0170262.
 PR 11-JAN-2000; 2000US-0175481.
 PR 18-FEB-2000; 2000WO-US04341.
 PR 18-FEB-2000; 2000WO-US04342.
 PR 22-FEB-2000; 2000WO-US04414.
 PR 01-MAR-2000; 2000WO-US05601.
 PR 03-MAR-2000; 2000US-0187202.
 PR 25-APR-2000; 2000US-0199397.
 PR 22-MAY-2000; 2000WO-US14042.
 PR 05-JUN-2000; 2000US-0209832.
 XX
 XX (GENTECH) GENENTECH INC.
 PA
 XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
 XX
 DR MPI: 2001-183260/18.
 DR P-PSDB: AAB87601.
 XX
 XX

PT Eighty four nucleic acids encoding PRO polypeptides, useful in
 PT molecular biology, including use as hybridization probes, and in
 PT chromosome and gene mapping.

XX Claim 2: Fig 151; 278pp: English.

CC The present sequence is the coding sequence for a human PRO polypeptide
 CC (secreted and transmembrane). The PRO protein, and PRO agonists, PRO
 CC antagonists or anti-PRO antibodies are useful for preparation of a
 CC medicament useful in the treatment of a condition which is responsive to
 CC the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO
 CC protein may also be employed as molecular weight markers for protein
 CC electrophoresis. The PRO coding sequence has applications in molecular
 CC biology, including use as hybridisation probes, and in chromosome and
 CC gene mapping.

XX Sequence 2598 BP; 687 A; 590 C; 648 G; 673 T; 0 other:

Query Match 100.0%; Score 468; DB 22; Length 2598;

Best Local Similarity 100.0%; Pred. No. 1.1e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtctctgagtgggagcgtgtgtcttcgcaatgaagactcggcattgaagtgtcttat 60
 DB 67 atgtctctgagtgggagcgtgtgtcttcgcaatgaagactcggcattgaagtgtcttat 126
 OY 61 ctgcataataaccagctttagctgagggcgtgcacatgcagggaaggtcattaaagttgaa 120
 DB 127 ctgcataataaccagctttagctgagggcgtgcacatgcagggaaggtcattaaagttgaa 186
 OY 121 gagatcagcgtgtgtcccatcagtgctggtgagtcagcagctgtcccgctcatcctgggt 180
 DB 187 gagatcagcgtgtgtcccatcagtggtgctgagtcagcagctgtcccgctcatcctgggt 246
 OY 181 gtccagagtggaagcagcagtgctgtcatatgtgggttgggagcaggaagccgacttaacacta 240
 DB 247 gtccagagtggaagcagcagtgctgtcatatgtgggttgggagcaggaagccgacttaacacta 306
 OY 241 gagcagaggaacatcatgagctctatcttgggtgccaaagaatccaagagcttcaacctc 300
 DB 307 gagcagaggaacatcatgagctctatcttgggtgccaaagaatccaagagcttcaacctc 366

OY 301 taccgacgggacatggggctcacctccagcttcagctgctgctcactaccgggctgttc 360
 DB 367 taccgacgggacatggggctcacctccagcttcagctgctgctcactaccgggctgttc 426
 OY 361 ctgtgcacggtgtcctgaagccagatcagcctgtgtcagactaacaccagcttcccgagaatgt 420
 DB 427 ctgtgcacggtgtcctgaagccagatcagcctgtgtcagactaacaccagcttcccgagaatgt 486
 OY 421 ggtctgaatggcccccatcacagacttctacttccacagatgtgactag 468
 DB 487 ggtctgaatggcccccatcacagacttctacttccacagatgtgactag 534

RESULT 11

AAAF31354
 ID AAF31354 standard; cDNA; 2647 BP.

XX AAF31354;

AC 05-APR-2001 (first entry)

DE Extension of B2HFLS20W cDNA library sequence #2.

XX Interleukin; IL-1 receptor; cancer; inflammation; ss.

XX Homo sapiens.

XX WO200102571-A2.

XX 11-JAN-2001.

PF 07-JUL-2000; 2000WO-US18710.

XX 07-JUL-1999; 99US-0348942.

PR 13-OCT-1999; 99US-0417455.

PR 08-DEC-1999; 99US-0457626.

PR 10-MAR-2000; 2000US-0523552.

PR 22-MAY-2000; 2000US-0576008.

XX (HYSE-) HYSEQ INC.

XX Ford J, Pace A;

XX MPI: 2001-071582/08.

XX Claim 1; Fig 8; 179pp: English.

CC The present invention relates to interleukin (IL)-1 receptor
 CC antagonist proteins. IL-1H1 is useful for treating cancer,
 CC an inflammatory disease mediated by IL-18, inflammation
 CC resulting from infection or allergic reactions, and inflammation
 CC associated with chronic bronchitis, arthritis, diabetes or
 CC endothermia.

XX Sequence 2647 BP; 743 A; 589 C; 644 G; 671 T; 0 other:

Query Match 100.0%; Score 468; DB 22; Length 2647;

Best Local Similarity 100.0%; Pred. No. 1.1e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtctctgagtgggagcgtgtgtcttcgcaatgaagactcggcattgaagtgtcttat 60
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 OY 61 ctgcataataaccagctttagctgagggcgtgcacatgcagggaaggtcattaaagttgaa 120
 DB 122 ctgcataataaccagctttagctgagggcgtgcacatgcagggaaggtcattaaagttgaa 181


```

XX XX Interleukin; IL-1 receptor; cancer; inflammation; ss.
XX KW Homo sapiens.
XX OS WO200102571-A2.
XX PN 11-JAN-2001.
XX PD 07-JUL-2000; 2000WO-US18710.
XX PF 07-JUL-1999; 99US-0348942.
XX PR 13-OCT-1999; 99US-0417455.
XX PR 08-DEC-1999; 99US-0457626.
XX PR 10-MAR-2000; 2000US-0523552.
XX PR 22-MAY-2000; 2000US-0576008.
XX PA (HYSE-) HYSEQ INC.
XX PI Ford J, Pace A;
XX DR WPI; 2001-071582/08.
XX XX Isolated nucleic acids encoding interleukin-1 (IL-1) receptor
XX PT antagonist proteins (referred as IL-1HY1), useful in the treatment of
XX PT cancer, e.g. breast adenocarcinoma and brain tumors, and an
XX PT inflammatory disease mediated by IL-18 -
XX PS Claim 1; Fig 2; 179pp: English.
XX CC The present invention relates to interleukin (IL)-1 receptor
XX CC antagonist proteins. IL-1HY1 is useful for treating cancer,
XX CC an inflammatory disease mediated by IL-18, inflammation
XX CC resulting from infection or allergic reactions, and inflammation
XX CC associated with chronic bronchitis, arthritis, diabetes or
XX CC endothermia.
XX SQ Sequence 357 BP; 62 A; 95 C; 84 G; 57 T; 59 other;
XX XX
Query Match 51.9%; Score 243; DB 22; Length 357;
Best Local Similarity 100.0%; Pred. NO. 1.4e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 226 ccgacctaacctacagcagcagatcatcatctatctgtgtgccaagaatcc 285
DB 1 ccgacctaacctacagcagcagatcatcatctatctgtgtgccaagaatcc 60
OY 286 aagagcttacccttaccagcgcgagacatgggctcaccctcagctcgagctgcc 345
DB 61 aagagcttacccttaccagcgcgagacatgggctcaccctcagctcgagctgcc 120
OY 346 taccgggctgtgtctctctgtgcaagtgctgaagccgataagcttcagactcaccag 405
DB 121 taccgggctgtgtctctctgtgcaagtgctgaagccgataagcttcagactcaccag 180
OY 406 ctcccgagaatgtgtgctggaatgcccccatcacagacttacccttcagcagagtgac 465
DB 181 ctcccgagaatgtgtgctggaatgcccccatcacagacttacccttcagcagagtgac 240
OY 466 tag 468
DB 241 tag 243
XX XX
RESULT 14
AAZ30048
ID AAZ30048 standard; cDNA; 358 BP.
XX XX
AC AAZ30048;
XX XX
DT 26-JAN-2000 (first entry)
XX XX

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DE DE cDNA encoding a human interleukin-1 receptor antagonist.
XX XX
XX KW Human; interleukin-1 receptor; IL-1; antagonist; sepsis;
XX KW acute pancreatitis; endotoxin shock; cytokine induced shock;
XX KW rheumatoid arthritis; chronic inflammatory arthritis;
XX KW pancreatic cell damage; diabetes mellitus type 1;
XX KW graft versus host disease; inflammatory bowel disease;
XX KW inflammation; pulmonary disease; autoimmune disease;
XX KW inflammatory disease; antiproliferative; myelogenous leukemia;
XX KW premature labor; intrauterine infection; nutritional activity;
XX KW hematopoiesis regulating activity; tissue growth activity;
XX KW actinin activity; inhibit activity; chemotactic activity;
XX KW chemokinetic activity; hemostatic activity; thrombolytic activity;
XX KW anti-inflammatory activity; ss.
XX OS Homo sapiens.
XX PN WO951744-A2.
XX PD 14-OCT-1999.
XX PF 05-APR-1999; 99WO-US04291.
XX PR 03-APR-1998; 98US-0055010.
XX PR 15-MAY-1998; 98US-0079909.
XX PR 20-MAY-1998; 98US-0082364.
XX PR 19-JUN-1998; 98US-0099818.
XX PR 31-JUL-1998; 98US-0127698.
XX PR 13-JAN-1999; 99US-0229591.
XX PR 17-FEB-1999; 99US-0251370.
XX PA (HYSE-) HYSEQ INC.
XX PI Drmanac R, Ckrvenjakov R, Dickson M, Drmanac S, Labat I;
XX PI Lesnikowicz D, Kita D, Ford J, Pace A, Alfienito M;
XX DR WPI; 1999-611042/52.
XX DR P-PSDB; AAY43525.
XX XX
XX PT New isolated interleukin-1 receptor binding polypeptides, used to treat
XX PT e.g. sepsis, shock, arthritis, pancreatitis, graft-versus-host disease,
XX PT inflammatory disease, autoimmune disease or proliferative disease -
XX PS Claim 1; Fig 2; 123pp: English.
XX CC The present sequence encodes a human interleukin-1 (IL-1) receptor
XX CC antagonist. The sequence was obtained from the B2HFLS20W cDNA library of
XX CC foetal liver-spleen. The encoded polypeptide is capable of binding IL-1
XX CC receptors (IL-1Rs). The polynucleotides and polypeptides can be used for
XX CC the prevention or treatment of disorders involving sepsis, acute
XX CC pancreatitis, endotoxin shock, cytokine induced shock, rheumatoid
XX CC arthritis, chronic inflammatory arthritis, pancreatic cell damage from
XX CC diabetes mellitus type 1, graft versus host disease, inflammatory bowel
XX CC disease, inflammation associated with pulmonary disease, other autoimmune
XX CC disease or inflammatory disease, an antiproliferative agent such as for
XX CC acute or chronic myelogenous leukemia or in the prevention of premature
XX CC labor secondary to intrauterine infections. They can also exhibit
XX CC activities such as e.g. nutritional activity, cytokine and cell
XX CC proliferation/differentiation activity, immune stimulating or
XX CC suppressing activity, hematopoiesis regulating activity, tissue growth
XX CC activity, actinin/inhibit activity, chemotactic/chemokinetic activity,
XX CC hemostatic and thrombolytic activity, receptor/ligand activity, and
XX CC anti-inflammatory activity. The products can also be used for
XX CC detection, diagnosis and drug screening.
XX SQ Sequence 358 BP; 63 A; 95 C; 83 G; 58 T; 59 other;
XX XX
Query Match 51.9%; Score 243; DB 20; Length 358;
Best Local Similarity 100.0%; Pred. NO. 1.4e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 226 ccgacctaacctacagcagcagatcatcatctatctgtgtgccaagaatcc 285

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Db      1  ccgactctaaacactagagccagtgtaacatcatgagctctatcttgytgccaaggaatcc 60
QY      286 aagagctcacctctacacggcggaacatgaggctcacctcagcttgagatcgctgcc 345
Db      61  aagagctcacctctacacggcggaacatgaggctcacctcagcttgagatcgctgcc 120
QY      346 taccgggctgtgttcctctgtgacaggtgacctgaagccgatacagctgtcagatccaccag 405
Db      121 taccgggctgtgttcctctgtgacaggtgacctgaagccgatacagctgtcagatccaccag 180
QY      406 ctcccgagaatggtgctggaatgccccatcacagactctactctccagcagtgtagc 465
Db      181 ctcccgagaatggtgctggaatgccccatcacagactctactctccagcagtgtagc 240
QY      466 tag 468
Db      241 tag 243

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RESULT 15

AAF31352

ID AAF31352 standard; cDNA: 985 BP.

AC AAF31352;

D7 05-APR-2001 (first entry)

DE B2HFLS20W cDNA library sequence #2.

KW Interleukin; IL-1 receptor; cancer; inflammation; ss.

OS Homo sapiens.

PN WO200102571-A2.

PD 11-JAN-2001.

PF 07-JUL-2000; 2000WO-US18710.

PR 07-JUL-1999; 99US-0348942.

PR 13-OCT-1999; 99US-0417455.

PR 08-DEC-1999; 99US-0457626.

PR 10-MAR-2000; 2000US-0523552.

PR 22-MAY-2000; 2000US-0576008.

PA (HXSE-) HXSEQ INC.

PI Ford J, Pace A;

PI WPI; 2001-071582/08.

PS Claim 1; Fig 2; 179pp; English.

PS The present invention relates to interleukin (IL)-1 receptor

CC antagonist proteins. IL-1H1 is useful for treating cancer,

CC an inflammatory disease mediated by IL-18, inflammation

CC resulting from infection or allergic reactions, and inflammation

CC associated with chronic bronchitis, arthritis, diabetes or

CC endothermia.

XX Sequence 985 BP; 232 A; 264 C; 249 G; 240 T; 0 other;

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QY      226 ccgactctaaacactagagccagtgtaacatcatgagctctatcttgytgccaaggaatcc 285
Db      1  ccgactctaaacactagagccagtgtaacatcatgagctctatcttgytgccaaggaatcc 60
QY      286 aagagctcacctctacacggcggaacatgaggctcacctcagcttgagatcgctgcc 345
Db      61  aagagctcacctctacacggcggaacatgaggctcacctcagcttgagatcgctgcc 120
QY      346 taccgggctgtgttcctctgtgacaggtgacctgaagccgatacagctgtcagatccaccag 405
Db      121 taccgggctgtgttcctctgtgacaggtgacctgaagccgatacagctgtcagatccaccag 180
QY      406 ctcccgagaatggtgctggaatgccccatcacagactctactctccagcagtgtagc 465
Db      181 ctcccgagaatggtgctggaatgccccatcacagactctactctccagcagtgtagc 240
QY      466 tag 468
Db      241 tag 243

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Search completed: February 4, 2002, 15:17:21
Job time: 2896 sec

Query Match 51.9%; Score 243; DB 22; Length 985;
Best Local Similarity 100.0%; Pred. No. 1.3e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 12:56:34 : Search time 1214.64 Seconds

(Without alignments)
4140.341 Million cell updates/sec

Title: US-09-612-921-3

Sequence: 1 atggtcctgagtgaggcgct.....acttcagcagtgtagtag 468

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 11351937 seqs, 5372889281 residues

Word size : 30

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

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1: em_estfun:*
2: em_esthum:*
3: em_estin:*
4: em_estom:*
5: em_estpl:*
6: em_estda:*
7: em_estro:*
8: em_estov:*
9: em_hc:*
10: gb_estl:*
11: gb_est2:*
12: gb_hc:*
13: gb_gss:*
14: em_gss_fun:*
15: em_gss_hum:*
16: em_gss_inv:*
17: em_gss_pln:*
18: em_gss_pro:*
19: em_gss_rtd:*
20: em_gss_vrt:*
21: em_gss_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	468	100.0	858	11	BI090567 602855674
2	459	98.1	932	10	AL545100 AL545100
3	458	97.9	726	11	BI089828 602855071
4	40	8.5	120	11	BG987216 MR2-HT116

ALIGNMENTS

RESULT 1
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LOCUS BI090567 858 bp mRNA EST 20-JUN-2001

DEFINITION 602855674F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:499639 5', mRNA sequence.
ACCESSION BI090567
VERSION BI090567.1 GI:1450897
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 858)
AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.
TITLES National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgaps-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: <http://image.lnl.gov>
Plate: LHAM1023 row: c column: 20
High quality sequence stop: 670.
Location/Qualifiers
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/clone="IMAGE:499639"
/clone_id="NIH_MGC_10"
/cell_line="MGC36"
/lab_host="DH10B"
/note="Organ: cervix; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: SalI; Cloned unidirectionally. Primer: Oligo dt. Average insert size 1.5 kb. library prepared by Life Technologies."
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ORIGIN
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Best Local Similarity 100.0%; Pred. No. 4e-224;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 135 ATGCTCCTGAGTGGGCGCTGCTCCGATGAAGACTGGCATGAAGTCTTAT 194
QY 61 ctgcataataaccagctcttagctggagggtgctgcatcagggaaggtcatgaaggaa 120
DB 195 CTGCATATATACCAAGCTTCTAGCTGAGGGCTGCATCCAGGAGGTCAATTAAGGTGA 254
QY 121 gagtcagcgtgtgtcccaatcgtgtgctgcatccagcagctgtcccgatcctggt 180
DB 255 GAGATCAGCGTGTGCTCCCAATCGGTGCTGATGCCAGCTGTCCCGCTATCTGGGT 314
QY 181 gtccaggtggaagccagctgtgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
DB 315 GTCCAGGTTGGAAGCCAGTGTCTCATGTGGGTGGGCGAGGCGAGCTTAACACTA 374
QY 241 gagccagtgaacatcatcagggtctctatcttggtgtcgaagaatccaagacttacc 300
DB 375 GAGCAGTGAACATCAATGAGAGCTTATCTTGTGCCAAGGATCAAGAGCTTCACCTTC 434
QY 301 taaccgaggaacatcaggtgtcaccctcagctcagctcagctcagctcagctcagctc 360
DB 435 TACCGGGGAGACATGGGGCTACCTCCAGCTTCAGTGGGCTGCTACCGGGGTGTTT 494
QY 361 ctgtgcaagtgctgtaagccagatcagctgtcagactcaaccagcttccagaaatgt 420
DB 495 CTGTGACAGGTGCTGAAGCGATCAGCTGTGCTGAGACTCACCCAGCTTCCGGAATGAT 554
QY 421 ggcgtgaatgcccccatcagacttctacttccagcagtgtagtag 468

Db 555 GGCTGGAATGCCCCCATCACAGCTCTTACTTCCACGACGTGTACTAG 602

RESULT 2
AL545100 932 bp mRNA EST 16-FEB-2001
LOCUS AL545100 LTI_NFL006.PL2 Homo sapiens cDNA clone CS0D1013YA07 5
DEFINITION prime, mRNA sequence.
ACCESSION AL545100
VERSION AL545100.1 GI:12877581
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 932)
AUTHORS Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr.

FEATURES
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Location/Qualifiers
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/db_xref="taxon:9606"
/clone="CS0D1013YA07"
/clone_1ib="LTI_NFL006.PL2"
/tissue_type="Placenta"
/note="Vector: PCMVSPORT 6; Site 1: NotI; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the PCMVSPORT 6 vector. Library was normalized. Library was constructed by life technologies. Contact: Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive, Rockville, Maryland 20850, USA Fax: (1) 301 610 8371
Email: fliang@life.com URL: http://fulllength.invitrogen.com"

BASE COUNT 206 a 230 c 250 g 201 t 5 others
ORIGIN

Query Match 98.1%; Score 459; DB 10; Length 932;
Best Local Similarity 100.0%; Pred. NO. 1.3e-219; Indels 0; Gaps 0;
Matches 459; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 agtgggagcgtgtgtcttcgaatgaagagctcgacatgaagtgcttcatcgtcataat 69
Db 104 AGTGGGAGCCTGTGCTTCGGAATGAAGAGCTCGCATTTGAAGTGTCTTATCGCATTAAT 163
QY 70 aaccagcttcagctgtagagagctgcatgcaaggaaagtaataaagtgaaagagatcagc 129
Db 164 AACCACTCTTACGCTGAGAGGCTGCATGCAAGGAAAGTAAAGTGAAGAGATCAGC 223
QY 130 gtgtgtcccaatcggtgtgtgtagtgcagcgtgtcccgctacacctgtgtgtcagaggt 189
Db 224 GTGTGTCCCAATCGGTGTGTGAGTGCAGCTGTCCCGCTATCCTGTGGGTGCCAGGGT 283
QY 190 ggaagcagctgtcgtcatgt 249
Db 284 GGAAGCAGCTGTGCTGCAATGTGGGGTGGGCAAGAGCCAGCTATACACTAGAGCCAGTG 343
QY 250 aacatcatgagctctatcttgggtgcaagaaagtaacaaagagcttcaaccttcaacgag 309
Db 344 AACATCATGAGAGCTATCTTGTGTGCAAGGAATCAAGAGCTTACCTTCTACCGCGG 403
QY 310 gacatgagcttaacctcagcttcagctgagctgagcttaccggcggtgtgtgtgtgtgt 369
Db 404 GACATGGGGCTCACCTCCAGCTTCGAGTGGGTGCTTACCCTGCGGGGTGTGTGTGTGTGT 463

QY 370 gtgcctgaagccatcagctgtcagactcaccagcttcccgagaatgtgtgtgtgtgtgt 429
Db 464 GTGCCTGAAGCCGATCAGCTGTGCTGCAAGCTCACCAGCTTCCGAGATGTGTGTGTGTGT 523

QY 430 gccccatcacagacttctacttccagcagtgtagctag 468
Db 524 GCCCCATCACAGACTTCTACTTCCAGAGTGTGACTAG 562

RESULT 3
BI089828 726 bp mRNA EST 20-JUN-2001
LOCUS BI089828 60285071F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:4996432 5',
DEFINITION mRNA sequence.
ACCESSION BI089828
VERSION BI089828.1 GI:14508158
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 726)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgab@strausberg.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/MLN at:
http://image.llnl.gov
Place: LBL/MLN021 row: n column: 17
High quality sequence stop: 709.

FEATURES
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BASE COUNT 151 a 201 c 213 g 161 t
ORIGIN

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Best Local Similarity 100.0%; Pred. NO. 4.1e-219; Indels 0; Gaps 0;
Matches 458; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GTGGGGAGCCTGTGCTTCGGAATGAAGAGCTCGCATTTGAAGTGTCTTATCGCATTAAT 60
QY 71 accagcttcagctgtagagagctgcatgcaaggaaagtaataaagtgaaagagatcagc 130
Db 61 ACCAGCTTCTAGCTGAGGGCTGCATGCAAGGAAAGTAAAGTGAAGAGATCAGCG 120
QY 131 tgggtcccaatcggt 190
Db 121 TGGTCCCAATCGGTGTGTGAGTGCAGCTGTCCCGCTATCCTGTGGGTGCCAGGGTG 180
QY 191 gaaagcagctgtcgtcatgt 250
Db 181 GAAGCCAGTGTGCTGCTGCAATGTGGGGTGGGCAAGAGCCAGCTTAACTAGAGCCAGTGA 240
QY 251 acatcatgagctctatcttgggtgcaagaaagtaacaaagagcttcaaccttcaacgag 310

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Db      241  ACATATGAGAGCTATCTTGTGGTCCAAAGATCCAGAGCTTCACTTCACGGCGG 300
Qy      311  acatggggtaccccccagcttcgagtcgctgctcctaccggcgctgcttcgctcaagg 370
Db      301  ACATGGGGCTCACCCTCCAGCTCGAGTCGGCTCCTACCCGGGGCTGGTCCCTGTGCACGG 360
Qy      371  tggcgaagccatcagctctcagactccaccagcttcgccagaatgtgtggaatg 430
Db      361  TGCCGGAAGCCGATCAGCTGTGCAGACTCACCACCTTCCCGAATGCTGGTGGATG 420
Qy      431  ccccatcacagactctcactctccagcagtgtagtag 468
Db      421  CCCCATCAGAGCTTCTACTTCCAGAGTGTGACTAG 458

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RESULT 4

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BG987216      120 bp      mRNA      EST      13-JUN-2001
LOCUS      MR2-HT1161-050101-004-cl2_1 HT1161 Homo sapiens cDNA, mRNA
DEFINITION      sequence.

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ACCESSION

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BG987216
BG987216.1 GI:14391286

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VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

Homo sapiens
human.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 120)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare
,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags

TITLE

JOURNAL

MEDLINE

COMMENT

Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?PL1-MR2&t2-MR2-HT1161-
050101-004-cl2_1&t3-2001-01-05&t4-1)
Seq primer: puc 18 forward
High quality sequence stop: 84.

FEATURES

source

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  /db_xref="taxon:9606"
  /clone_lib="HT1161"
  /dev_stage="Adult"
  /note="Organ: head_neck; Vector: puc18; Site: 1: SmaI;
Site: 2: SmaI; A mini-library was made by cloning products
derived from ORESTES PCR (U.S. Letters Patent application
No. 196,716 - Ludwig Institute for Cancer Research)
profiles into the pUC 18 vector. Reverse transcription of
tissue mRNA and cDNA amplification were performed under
low stringency conditions."
29 c 45 g 25 t 1 others

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BASE COUNT

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20 a 29 c 45 g 25 t 1 others
ORIGIN

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Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Job time: 6857 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:50:55 ; Search time 252.12 Seconds

(without alignments)
4259.109 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgtccctgagtgaggcgctct.....acttcagcagtgtagctag 468

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Gapop 60.0, Gapext 60.0

Searched: 1960034 seqs, 1147229242 residues

Word size: 30

Total number of hits satisfying chosen parameters: 10

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

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6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq1:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	468	100.0	468	US-09-965-640-3	Sequence 3, Appli
2	468	100.0	1025	US-09-775-046-1	Sequence 1, Appli
3	468	100.0	1282	US-10-004-382-4	Sequence 4, Appli
4	468	100.0	2598	US-10-006-867-151	Sequence 151, App
5	468	100.0	2648	US-10-004-382-6	Sequence 6, Appli
6	246	52.6	373	US-09-898-888A-30741	Sequence 30741, A
7	243	51.9	357	US-10-004-382-1	Sequence 1, Appli
8	243	51.9	985	US-10-004-382-2	Sequence 2, Appli
9	227	48.5	5751	US-10-004-382-7	Sequence 7, Appli
10	227	48.5	7605	US-10-004-382-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
; Sequence 3, Application US/09965640
; GENERAL INFORMATION:
; APPLICANT: Sims, John E.
; TITLE OF INVENTION: IL-1 DELTA DNA AND POLYPEPTIDES
; FILE REFERENCE: 0315-C
; CURRENT APPLICATION NUMBER: US/09/965, 640
; CURRENT FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: 09/612,921
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(468)
; OTHER INFORMATION:
US-09-965-640-3

Query Match 100.0%; Score 468; DB 6; Length 468;
Best Local Similarity 100.0%; Pred. No. 2,4e-211;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	atgtccctgagtgaggcgctctctccgaatgaaggactggcatgaagtgctttat	60
Db	1	atgtccctgagtgaggcgctctctccgaatgaaggactggcatgaagtgctttat	60
Qy	61	ctgcataataccaagctctcagctgagggctgcacaggaaggtcattaaagttaa	120
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Db	121	gagatcagcgtgtgtcccaatcgtgtgctgagtgacagcctgtcccccatacctggt	180
Qy	181	gtccaggttggaagcagctgtctcattatgtgtgtgtgtgtgtgtgtgtgtgtgtgt	240
Db	181	gtccaggttggaagcagctgtctcattatgtgtgtgtgtgtgtgtgtgtgtgtgtgt	240
Qy	241	gagccagtgaaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgt	300
Db	241	gagccagtgaaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgt	300
Qy	301	taccgagcagatgagtgagctcaccctcagctcagctcagctcagctcagctcagctc	360
Db	301	taccgagcagatgagtgagctcaccctcagctcagctcagctcagctcagctcagctc	360
Qy	361	ctgtgacggt	420
Db	361	ctgtgacggt	420
Qy	421	ggctggaatgccccatcacagacttcaacttcaagcagtgtagtag 468	
Db	421	ggctggaatgccccatcacagacttcaacttcaagcagtgtagtag 468	

RESULT 2
; Sequence 1, Application US/09775046
; GENERAL INFORMATION:
; APPLICANT: Debets, Johannes; Eduard Maria Antonius
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kasteleijn, Robert A.
; TITLE OF INVENTION: MAMMALIAN CYTOKINES; RECEPTORS; RELATED REAGENTS AND METHODS
; FILE REFERENCE: DX01073K
; CURRENT APPLICATION NUMBER: US/09/775, 046
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179, 638
; PRIOR FILING DATE: 2000-02-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1025
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: CDS
LOCATION: (58) ..(522)
OTHER INFORMATION:
US-09-775-046-1

Query Match 100.0%: Score 468; DB 6; Length 1025;
Best Local Similarity 100.0%: Pred. No. 2,4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 58 atgtctctgagtgaggcgctgtgtcttcggaatgaaagacatcggaatgaaagtctttat 117
Qy 61 ctgtcataaaccagctcttctagcttgaggcgctgcacatgcaggaaagtcattaaagttaa 120
Db 118 ctgtcataaaccagctcttctagcttgaggcgctgcacatgcaggaaagtcattaaagttaa 177
Qy 121 gagatcaacgtgtgtcccaatcgctgtgcagtgagatgcacagcttcccccgtacatccttgg 180
Db 178 gagatcaacgtgtgtcccaatcgctgtgcagtgagatgcacagcttcccccgtacatccttgg 237
Qy 181 gtccaggttggaagcagtgctgtcatgttgagggtgaggagagccgaatcctaacta 240
Db 238 gtccaggttggaagcagtgctgtcatgttgagggtgaggagagccgaatcctaacta 297
Qy 241 gagcagtggaacatgatgagctctatctgtgtgccaagaaatccaagagcttcccttc 300
Db 298 gagcagtggaacatgatgagctctatctgtgtgccaagaaatccaagagcttcccttc 357
Qy 301 tacccgcgagacatgaggcgctcacctccacagcttcgaatcgagctgcagcggtctgttc 360
Db 358 tacccgcgagacatgaggcgctcacctccacagcttcgaatcgagctgcagcggtctgttc 417
Qy 361 ctgtgcacggtgtctctgaagcagatcagctgtcagaatcaccagcttcgcagaagtgt 420
Db 418 ctgtgcacggtgtctctgaagcagatcagctgtcagaatcaccagcttcgcagaagtgt 477
Qy 421 ggcctggaatgcccacatcacagacttctactccagcagtgtagtag 468
Db 478 ggcctggaatgcccacatcacagacttctactccagcagtgtagtag 525

RESULT 3
US-10-004-382-4
Sequence 4, Application US/10004382

GENERAL INFORMATION:
APPLICANT: Mize, Nancy K.
APPLICANT: Haley-Vicente, Dana A.
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36884A
CURRENT APPLICATION NUMBER: US/10/004,382
CURRENT FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: US 60/244,692
PRIOR FILING DATE: 2000-10-31
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-10-004-382-4

Query Match 100.0%: Score 468; DB 8; Length 1282;
Best Local Similarity 100.0%: Pred. No. 2,4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgtctctgagtgaggcgctgtgtcttcggaatgaaagacatcggaatgaaagtctttat 60
|||||

Db 73 atgtctctgagtgaggcgctgtgtcttcggaatgaaagacatcggaatgaaagtctttat 132
Qy 61 ctgtcataaaccagctcttctagcttgaggcgctgcacatgcaggaaagtcattaaagttaa 120
Db 133 ctgtcataaaccagctcttctagcttgaggcgctgcacatgcaggaaagtcattaaagttaa 192
Qy 121 gagatcaacgtgtgtcccaatcgctgtgcagtgagatgcacagcttcccccgtacatccttgg 180
Db 193 gagatcaacgtgtgtcccaatcgctgtgcagtgagatgcacagcttcccccgtacatccttgg 252
Qy 181 gtccaggttggaagcagtgctgtcatgttgagggtgaggagagccgaatcctaacta 240
Db 253 gtccaggttggaagcagtgctgtcatgttgagggtgaggagagccgaatcctaacta 312
Qy 241 gagcagtggaacatgatgagctctatctgtgtgccaagaaatccaagagcttcccttc 300
Db 313 gagcagtggaacatgatgagctctatctgtgtgccaagaaatccaagagcttcccttc 372
Qy 301 tacccgcgagacatgaggcgctcacctccacagcttcgaatcgagctgcagcggtctgttc 360
Db 373 tacccgcgagacatgaggcgctcacctccacagcttcgaatcgagctgcagcggtctgttc 432
Qy 361 ctgtgcacggtgtctctgaagcagatcagctgtcagaatcaccagcttcgcagaagtgt 420
Db 433 ctgtgcacggtgtctctgaagcagatcagctgtcagaatcaccagcttcgcagaagtgt 492
Qy 421 ggcctggaatgcccacatcacagacttctactccagcagtgtagtag 468
Db 493 ggcctggaatgcccacatcacagacttctactccagcagtgtagtag 540

RESULT 4
US-10-006-867-151
Sequence 151, Application US/10006867

GENERAL INFORMATION:
APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/006,867
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: 60/063435
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/064215
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088740
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088811
PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088825
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088863
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090688
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091628
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/096012
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/096757
PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 60/096949
PRIOR FILING DATE: 1998-08-18
PRIOR APPLICATION NUMBER: 60/096959
PRIOR FILING DATE: 1998-08-18
PRIOR APPLICATION NUMBER: 60/097954
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/097971
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/097979
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/099741
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099763
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099792
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099812
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099815
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/100627
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100662
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100683
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100684
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100930
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/101279
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: 60/101475
PRIOR FILING DATE: 1998-09-23
PRIOR APPLICATION NUMBER: 60/101738
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101743
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101916
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/102570

PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/103449
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103678
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103679
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103711
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/105000
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105881
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/106030
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: 60/106464
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/106856
PRIOR FILING DATE: 1998-11-03
PRIOR APPLICATION NUMBER: 60/108807
PRIOR FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: 60/112419
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112422
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112853
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113011
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/112854
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113300
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113408
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113430
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/114223
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 60/115614
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/116527
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: 60/116843
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/119285
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119287
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119525
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/119549
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/120014
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/129122
PRIOR FILING DATE: 1999-04-13
PRIOR APPLICATION NUMBER: 60/129674
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/138387
PRIOR FILING DATE: 1999-06-09
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/175481
PRIOR FILING DATE: 2000-01-11

```

; PRIOR APPLICATION NUMBER: 60/191007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/199397
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/380139
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 09/311832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/380138
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/380142
; PRIOR FILING DATE: 1999-08-25
```

```

Query Match          100.0%; Score 468; DB 8; Length 2598;
Best Local Similarity 100.0%; Pred. No. 2.4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgtcttat 60
    |||||||
DB 67 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgtcttat 126
    |||||||
QY 61 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagtgaa 120
    |||||||
DB 127 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagtgaa 186
    |||||||
QY 121 gagatcagctgtgtcccaatcggtgtgctggaatgcagcgtgtcccgctcatctgggt 180
    |||||||
DB 187 gagatcagctgtgtcccaatcggtgtgctggaatgcagcgtgtcccgctcatctgggt 246
    |||||||
QY 181 gtccaggtggaagcagctgtctatctggtggtggaagagcagacttaacacta 240
    |||||||
DB 247 gtccaggtggaagcagctgtctatctggtggtggaagagcagacttaacacta 306
    |||||||
QY 241 gagcaggtgaacatcagagctctatctgtgtccaaagaaatccagagcttacccttc 300
    |||||||
DB 307 gagcaggtgaacatcagagctctatctgtgtccaaagaaatccagagcttacccttc 366
    |||||||
QY 301 tacccggcggaatggggtccacctccagcttcagatcggtcggtccacccgggtgttc 360
    |||||||
DB 367 tacccggcggaatggggtccacctccagcttcagatcggtcggtccacccgggtgttc 426
    |||||||
QY 361 ctgtgcagctgtcctgaagcagatcagcctgtcagactcaccagcttcccgaaatggt 420
    |||||||
DB 427 ctgtgcagctgtcctgaagcagatcagcctgtcagactcaccagcttcccgaaatggt 486
    |||||||
QY 421 ggcctgaatgcccccatcacaagaacttctactccagcaggtgtgactag 468
    |||||||
DB 487 ggcctgaatgcccccatcacaagaacttctactccagcaggtgtgactag 534
    |||||||
```

```

RESULT 5
US-10-004-382-6
; Sequence 6, Application US/10004382
```

```

; GENERAL INFORMATION:
; APPLICANT: Mize, Nancy K.
; APPLICANT: Halley-Vicente, Dana A.
; TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36864A
; CURRENT APPLICATION NUMBER: US/10/004,382
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: US 60/244,692
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
```

```

; SEQ ID NO 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-004-382-6
```

```

Query Match          100.0%; Score 468; DB 8; Length 2648;
Best Local Similarity 100.0%; Pred. No. 2.4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgtcttat 60
    |||||||
DB 62 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgtcttat 121
    |||||||
QY 61 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagtgaa 120
    |||||||
DB 122 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagtgaa 181
    |||||||
QY 121 gagatcagctgtgtcccaatcggtgtgctggaatgcagcgtgtcccgctcatctgggt 180
    |||||||
DB 182 gagatcagctgtgtcccaatcggtgtgctggaatgcagcgtgtcccgctcatctgggt 241
    |||||||
QY 181 gtccaggtggaagcagctgtctatctggtggtggaagagcagacttaacacta 240
    |||||||
DB 242 gtccaggtggaagcagctgtctatctggtggtggaagagcagacttaacacta 301
    |||||||
QY 241 gagccagtgaaatcagagctctatctgtgtgccaagaaatccaaagcttccacttc 300
    |||||||
DB 302 gagccagtgaaatcagagctctatctgtgtgccaagaaatccaaagcttccacttc 361
    |||||||
QY 301 tacccggcggaatggggtccacctccagcttcagatcggtcggtccacccgggtgttc 360
    |||||||
DB 362 tacccggcggaatggggtccacctccagcttcagatcggtcggtccacccgggtgttc 421
    |||||||
QY 361 ctgtgcagctgtcctgaagcagatcagcctgtcagactcaccagcttcccgaaatggt 420
    |||||||
DB 422 ctgtgcagctgtcctgaagcagatcagcctgtcagactcaccagcttcccgaaatggt 481
    |||||||
QY 421 ggcctgaatgcccccatcacaagaacttctactccagcaggtgtgactag 468
    |||||||
DB 482 ggcctgaatgcccccatcacaagaacttctactccagcaggtgtgactag 529
    |||||||
```

```

RESULT 6
US-09-898-888A-30741
```

```

; Sequence 30741, Application US/09898888A
; GENERAL INFORMATION:
; APPLICANT: Hysq, Inc.
; TITLE OF INVENTION: NOVEL CONTIGS OBTAINED FROM VARIOUS CDNA
; FILE REFERENCE: LIBRARIES
; CURRENT APPLICATION NUMBER: US/09/898,888A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/340,623
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/205,070
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 45207
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30741
; LENGTH: 373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(373)
; OTHER INFORMATION: n = A,T,C or G
US-09-898-888A-30741
```

```

Query Match          52.6%; Score 246; DB 6; Length 373;
Best Local Similarity 100.0%; Pred. No. 8.8e-117;
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 223 gagccagcttaacctagagcaggtgaacatcaggaagctatctgtgtccaaagaa 282
    |||||||
DB 82 gagccagcttaacctagagcaggtgaacatcaggaagctatctgtgtccaaagaa 141
    |||||||
QY 283 tccaaagcttcaaccttaccgcgaggacatggggtcactccagcttcagctcgct 342
    |||||||
```

```
Db 142 tccaaagattccactcttaccgagggagacatgggtccactccagcttcgagctgct 201
Oy 343 gctaccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcacc 402
Db 202 gctaccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcacc 261
Oy 403 cagctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtg 462
Db 262 cagctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtg 321
Oy 463 gactag 468
Db 322 gactag 327
```

```
RESULT 7
US-10-004-382-1
: Sequence 1, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: PRIOR FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 357
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(357)
: OTHER INFORMATION: n = A,T,C or G
US-10-004-382-1
```

```
Query Match 51.9%; Score 243; DB 8; Length 357;
Best Local Similarity 100.0%; Pred. No. 3.1e-115;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 226 ccgactctaacactagagccagtgacatcatgtgactctatctgtgtgccaaggaatcc 285
Db 1 ccgactctaacactagagccagtgacatcatgtgactctatctgtgtgccaaggaatcc 60
Oy 286 aagagcttcaactcttaccgagggagacatgggggtccactccagcttcgaagtcggctgcc 345
Db 61 aagagcttcaactcttaccgagggagacatgggggtccactccagcttcgaagtcggctgcc 120
Oy 346 taccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcaccag 405
Db 121 taccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcaccag 180
Oy 406 ctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtgagc 465
Db 181 ctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtgagc 240
Oy 466 tag 468
Db 241 tag 243
```

```
RESULT 8
US-10-004-382-2
: Sequence 2, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
```

```
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: PRIOR FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 2
: LENGTH: 985
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(240)
US-10-004-382-2
```

```
Query Match 51.9%; Score 243; DB 8; Length 985;
Best Local Similarity 100.0%; Pred. No. 3.1e-115;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 226 ccgactctaacactagagccagtgacatcatgtgactctatctgtgtgccaaggaatcc 285
Db 1 ccgactctaacactagagccagtgacatcatgtgactctatctgtgtgccaaggaatcc 60
Oy 286 aagagcttcaactcttaccgagggagacatgggggtccactccagcttcgaagtcggctgcc 345
Db 61 aagagcttcaactcttaccgagggagacatgggggtccactccagcttcgaagtcggctgcc 120
Oy 346 taccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcaccag 405
Db 121 taccggggtgttctctgtgacgggtgcttgaagccgacatcagctgtcagactcaccag 180
Oy 406 ctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtgagc 465
Db 181 ctcccggaatgtgtgtgtgacgttgcacccatcacagacttctacttcacagagtgagc 240
Oy 466 tag 468
Db 241 tag 243
```

```
RESULT 9
US-10-004-382-7
: Sequence 7, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: PRIOR FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 7
: LENGTH: 5751
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(5751)
: OTHER INFORMATION: n = A,T,C or G
US-10-004-382-7
```

```
Query Match 48.5%; Score 227; DB 8; Length 5751;
Best Local Similarity 100.0%; Pred. No. 5.6e-107;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 242 agccagtgacatcatgtgactctatctgtgtgccaaggaatcgaagcttcactctct 301
```

```
Db 4073 agccagtgacatcatgagctctatctgtgtgccaaagaaatccaagagcttcacctct 4132
QY 302 accggcgagacatggggtcaccctcagcttggagtcgagctgctacccgggctgttcc 361
Db 4133 accggcgagacatggggtcaccctcagcttggagtcgagctgctacccgggctgttcc 4192
QY 362 tgtgcacggtgctcgaagccgatacagctcgttcagactcacccagcttcccgagaatgtg 421
Db 4193 tgtgcacggtgctcgaagccgatacagctcgttcagactcacccagcttcccgagaatgtg 4252
QY 422 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 468
Db 4253 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 4299
```

```
RESULT 10
US-10-004-382-8
; Sequence 8, Application US/10004382
; GENERAL INFORMATION:
; APPLICANT: Mize, Nancy K.
; APPLICANT: Haley-Vicente, Dana A.
; TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36884A
; CURRENT APPLICATION NUMBER: US/10/004,382
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: US 60/244,692
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 7605
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-004-382-8
```

```
Query Match 48.5%; Score 227; DB 8; Length 7605;
Best Local Similarity 100.0%; Pred. No. 5.6e-107;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 242 agccagtgacatcatgagctctatctgtgtgccaaagaaatccaagagcttcacctct 301
Db 5105 agccagtgacatcatgagctctatctgtgtgccaaagaaatccaagagcttcacctct 5164
QY 302 accggcgagacatggggtcaccctcagcttggagtcgagctgctacccgggctgttcc 361
Db 5165 accggcgagacatggggtcaccctcagcttggagtcgagctgctacccgggctgttcc 5224
QY 362 tgtgcacggtgctcgaagccgatacagctcgttcagactcacccagcttcccgagaatgtg 421
Db 5225 tgtgcacggtgctcgaagccgatacagctcgttcagactcacccagcttcccgagaatgtg 5284
QY 422 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 468
Db 5285 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 5331
```

Search completed: February 4, 2002, 15:57:16
Job time: 3981 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:42:55 ; Search time 2084.66 Seconds
(without alignments)
3934.625 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgcttcctgagtggtggcgctt.....acttcacagctgtgactag 468

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 17159718 seqs, 8763200856 residues

Word size: 30

Total number of hits satisfying chosen parameters: 63

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Pending_Patents_NA_Main:*

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1: /cgn2_6/prodata/2/pna/PCrus_COMB.seq:*
2: /cgn2_6/prodata/2/pna/US06_COMB.seq:*
3: /cgn2_6/prodata/2/pna/US07_COMB.seq:*
4: /cgn2_6/prodata/2/pna/US08_COMB.seq:*
5: /cgn2_6/prodata/2/pna/US081_COMB.seq:*
6: /cgn2_6/prodata/2/pna/US082_COMB.seq:*
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22: /cgn2_6/prodata/2/pna/US095D_COMB.seq:*
23: /cgn2_6/prodata/2/pna/US096A_COMB.seq:*
24: /cgn2_6/prodata/2/pna/US096B_COMB.seq:*
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29: /cgn2_6/prodata/2/pna/US097B_COMB.seq:*
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32: /cgn2_6/prodata/2/pna/US099_COMB.seq:*
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37: /cgn2_6/prodata/2/pna/US6004_COMB.seq:*
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40: /cgn2_6/prodata/2/pna/US6007_COMB.seq:*
41: /cgn2_6/prodata/2/pna/US6008_COMB.seq:*
42: /cgn2_6/prodata/2/pna/US6009_COMB.seq:*
43: /cgn2_6/prodata/2/pna/US6010_COMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	468	23	US-09-612-921-3
2	468	100.0	766	18	US-09-416-514-1
3	468	100.0	794	15	PCT-US99-23533-1
4	468	100.0	794	15	US-09-169-745-25
5	468	100.0	1282	16	US-09-229-591-4
6	468	100.0	1282	17	US-09-348-942-4
7	468	100.0	1282	18	US-09-457-626-4
8	468	100.0	1282	19	US-09-523-552-4
9	468	100.0	1282	22	US-09-576-008-4
10	468	100.0	1282	57	US-09-244-692-6
11	468	100.0	1323	15	US-09-131-263-4
12	468	100.0	1323	15	US-09-131-263-4
13	468	100.0	1323	17	US-09-369-693-4
14	468	100.0	2563	23	US-09-617-720-1
15	468	100.0	2648	17	US-09-348-942-6
16	468	100.0	2648	18	US-09-457-626-6
17	468	100.0	2648	19	US-09-523-552-6
18	468	100.0	2648	22	US-09-576-008-6
19	468	100.0	2648	57	US-09-244-692-6
20	468	100.0	2698	17	US-09-317-511C-907
21	465	99.4	465	15	US-09-131-263-6
22	465	99.4	465	15	US-09-131-263-6
23	465	99.4	465	17	US-09-369-693-6
24	465	99.4	465	23	US-09-617-720-10
25	456	97.4	2487	17	US-09-369-693-9
26	410	87.6	486	18	US-09-432-241A-3424
27	410	87.6	486	25	US-09-640-676-73
28	354	75.6	449	18	US-09-432-241A-2798
29	320	68.4	480	18	US-09-432-241A-834
30	315	67.3	378	25	US-09-652-127-1182
31	246	52.6	373	16	US-09-205-070-30741
32	246	52.6	373	17	US-09-340-623-30741
33	246	52.6	373	31	US-09-898-888-30741
34	243	51.9	357	14	US-09-055-010-1
35	243	51.9	357	16	US-09-229-591-1
36	243	51.9	357	17	US-09-348-942-1
37	243	51.9	357	18	US-09-457-626-1
38	243	51.9	357	19	US-09-515-128-9783
39	243	51.9	357	19	US-09-523-552-1
40	243	51.9	357	22	US-09-576-008-1
41	243	51.9	357	57	US-09-244-692-1

42	243	51.9	985	14	US-09-055-010-2	Sequence 2, Appli
43	243	51.9	985	16	US-09-228-591-2	Sequence 2, Appli
44	243	51.9	985	17	US-09-348-942-2	Sequence 2, Appli
45	243	51.9	985	18	US-09-457-626-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

```

US-09-612-921-3
; Sequence 3, Application US/09612921
; GENERAL INFORMATION:
; APPLICANT: Sims, John E.
; TITLE OF INVENTION: IL-1 delta DNA and Polypeptides
; FILE REFERENCE: 0360.0047-00304
; CURRENT APPLICATION NUMBER: US/09/612,921
; CURRENT FILING DATE: 2000-07-10
; PRIOR APPLICATION NUMBER: 60/071,074
; PRIOR FILING DATE: 1998-01-09
; PRIOR APPLICATION NUMBER: 60/087,393
; PRIOR FILING DATE: 1998-06-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 3
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-612-921-3

```

Query Match 100.0%; Score 468; DB 23; Length 468;
 Best Local Similarity 100.0%; Pred. No. 3.5e-236;

Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 atggtctcgtatggtggcgctgtgtcttcggaatgaagactcggcattgaagtgtcttat 60
DB 1 atggtctcgtatggtggcgctgtgtcttcggaatgaagactcggcattgaagtgtcttat 60
QY 61 ctgcatataaacaacagcttctagtctggaaggctgcatgacaggggaaggttcattaaagttaa 120
DB 61 ctgcatataaacaacagcttctagtctggaaggctgcatgacaggggaaggttcattaaagttaa 120
QY 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagcctgtcccccgtcatcctgggt 180
DB 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagcctgtcccccgtcatcctgggt 180
QY 181 gtccaggtgtggaagccagctgtctgtcatgtggtgtggtggaagagccagacttaacacta 240
DB 181 gtccaggtgtggaagccagctgtctgtcatgtggtgtggtggaagagccagacttaacacta 240
QY 241 gagcaggtgaacatcatgtagctctatcttctgtgccaagaataccaagagcttacccttc 300
DB 241 gagcaggtgaacatcatgtagctctatcttctgtgccaagaataccaagagcttacccttc 300
QY 301 tacccgagggacatgtaggtgtcacctccagcttcagatcgctgctgctcctaccgggctgttc 360
DB 301 tacccgagggacatgtaggtgtcacctccagcttcagatcgctgctgctcctaccgggctgttc 360
QY 361 ctgtgacaggtgtcctgaagccgatacagctgtcagaactaaccagcttcccgagaatggt 420
DB 361 ctgtgacaggtgtcctgaagccgatacagctgtcagaactaaccagcttcccgagaatggt 420
QY 421 ggcctgaatgcccccatcacagacttctacttccacagatgtgtactag 468
DB 421 ggcctgaatgcccccatcacagacttctacttccacagatgtgtactag 468

```

RESULT 2

```

US-09-416-514-1
; Sequence 1, Application US/09416514
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.

```

```

; APPLICANT: West, Robert R.
; APPLICANT: Clegg, Christopher H.
; TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
; FILE REFERENCE: 98-38
; CURRENT APPLICATION NUMBER: US/09/416,514
; CURRENT FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: US 60/103,512
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 766
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (72)...(539)
US-09-416-514-1

```

Query Match 100.0%; Score 468; DB 18; Length 766;
 Best Local Similarity 100.0%; Pred. No. 3.5e-236;

Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 atggtctcgtatggtggcgctgtgtcttcggaatgaagactcggcattgaagtgtcttat 60
DB 72 atggtctcgtatggtggcgctgtgtcttcggaatgaagactcggcattgaagtgtcttat 131
QY 61 ctgcatataaacaacagcttctagtctggaaggctgcatgacaggggaaggttcattaaagttaa 120
DB 132 ctgcatataaacaacagcttctagtctggaaggctgcatgacaggggaaggttcattaaagttaa 191
QY 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagcctgtcccccgtcatcctgggt 180
DB 192 gagatcagctgtgtcccaatcgctgctggaatgcagcagcctgtcccccgtcatcctgggt 251
QY 181 gtccaggtgtggaagccagctgtctgtcatgtggtgtggtggaagagccagacttaacacta 240
DB 252 gtccaggtgtggaagccagctgtctgtcatgtggtgtggtggaagagccagacttaacacta 311
QY 241 gagcaggtgaacatcatgtagctctatcttctgtgccaagaataccaagagcttacccttc 300
DB 312 gagcaggtgaacatcatgtagctctatcttctgtgccaagaataccaagagcttacccttc 371
QY 301 tacccgagggacatgtaggtgtcacctccagcttcagatcgctgctgctcctaccgggctgttc 360
DB 372 tacccgagggacatgtaggtgtcacctccagcttcagatcgctgctgctcctaccgggctgttc 431
QY 361 ctgtgacaggtgtcctgaagccgatacagctgtcagaactaaccagcttcccgagaatggt 420
DB 432 ctgtgacaggtgtcctgaagccgatacagctgtcagaactaaccagcttcccgagaatggt 491
QY 421 ggcctgaatgcccccatcacagacttctacttccacagatgtgtactag 468
DB 492 ggcctgaatgcccccatcacagacttctacttccacagatgtgtactag 539

```

RESULT 3

```

PCT-US99-23533-1
; Sequence 1, Application PC/TUS9923533
; GENERAL INFORMATION:
; APPLICANT: Zymogenetics, Inc.
; TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
; FILE REFERENCE: 98-38PC
; CURRENT APPLICATION NUMBER: PCT/US99/23533
; CURRENT FILING DATE: 1999-10-08
; EARLIER APPLICATION NUMBER: US 09/169,745
; EARLIER FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 766
; TYPE: DNA

```



```

; ORGANISM: Homo sapiens
;
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (72)..(539)
;
PCT-US99-23533-1

```

Query Match	100.0%	Score 468	DB 1	Length 794
Best Local Similarity	100.0%	Pred. No.	3.6e-236	
Matches 468	Conservative 0	Mismatches 0	Indels 0	Gaps 0

Oy	1	atgagcccgaaatgggagcgccctgtgcttcggaatggaagaaaccgcgcgcatggaaggtgcttat	60
Db	72	atggagcccgaaatgggagcgccctgtgcttcggaatggaagaaaccgcgcgcatggaaggtgcttat	131
Oy	61	ctgcataaataaccgagctctctagctctgagaggtgtgatatgcagaggaaggtcatataagtgaa	120
Db	132	ctgcataaataaccgagctctctagctctgagaggtgtgatatgcagaggaaggtcatataagtgaa	191
Oy	121	gagatcacagctggtgcctcccaatcgtgtgctggaatgcagagctgttccccgtcatccgggt	180
Db	192	gagatcacagctggtgcctcccaatcgtgtggaatgcagagctgttccccgtcatccgggt	251
Oy	181	gtccagaggttggaagccagagctctctcatgttggtgtgagagagccggaatctaaacata	240
Db	252	gtccagaggttggaagccagagctctctcatgttggtgtgagagagccggaatctaaacata	311
Oy	241	gaagccagtgaacaatcatgagagctctatctctgtgtgcagaagaatccaagagcttcaacctc	300
Db	312	gaagccagtgaacaatcatgagagctctatctctgtgtgcagaagaatccaagagcttcaacctc	371
Oy	301	taccgagcgagacatgagggagctaacctccagctctgaagtcgagctgcctcaaccgggctggttc	360
Db	372	taccgagcgagacatgagggagctaacctccagctctgaagtcgagctgcctcaaccgggctggttc	431
Oy	361	ctgtgcacaggtgtgctctggaagccgatacagctctgcagactccaccaagcttcccggaatggt	420
Db	432	ctgtgcacaggtgtgctctggaagccgatacagctctgcagactccaccaagcttcccggaatggt	491
Oy	421	ggctcggaatgcccccatcaacagagatcttactctccagagtggtactag	468
Db	492	ggctcggaatgcccccatcaacagagatcttactctccagagtggtactag	539

```

RESULT 4
US-09-169-745-25
: Sequence 25, Application US/09169745
: GENERAL INFORMATION:
: APPLICANT: Sheppard, Paul O.
: APPLICANT: West, Robert R.
: APPLICANT: Clegg, Christopher H.
: TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
: FILE REFERENCE: 98-3882
: CURRENT APPLICATION NUMBER: US/09/169,745
: CURRENT FILING DATE: 1998-10-08
: NUMBER OF SEQ ID NOS: 29
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 25
: LENGTH: 766
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (72)...(539)
: US-09-169-745-25

```

Query Match	100.0%	Score 468	DB 15	Length 794
Best Local Similarity	100.0%	Pred. No. 3.6e-226		
Matches 468	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY 1 atgtgcctcgatggggcgtctgtccttcgaaatgaagactggcaattaaagttgctttat 60
|||||

Db	72	atgtctcctgagttggtggcgctgtgtcttcctccgaatgaagacatccgcatggaagtgcttat	131
Qy	61	ctgcataataaccacgctctctagctcgtgaagggtctgcatacaggaaggtcattaaagtgtaa	120
Db	132	ctgcataataaacccagctctctagctcgtgaagggtctgcatacaggaaggtcattaaagtgtaa	191
Qy	121	gagatcagcttgctccccaatcgtgttggtcgtgaatgcacagcctgtcccccgtcaatcctgggt	180
Db	192	gagatcagcgtgtgtccccaatcgtgttggtcgtgaatgcacagcctgtcccccgtcaatcctgggt	251
Qy	181	gtccaaaggttggaagacagatgccttgatcatgttggtgttggtgcagagagccagacttaacata	240
Db	252	gtccaaaggttggaagacagatgccttgatcatgttggtgttggtgcagagagccagacttaacata	311
Qy	241	gagccagctggaacatcatatggaacttatcttggtgtccaaagaatccaagaagcttaaccttc	300
Db	312	gagccagctggaacatcatatggaacttatcttggtgtccaaagaatccaagaagcttaaccttc	371
Qy	301	taccggcggtgagacatggtgggtactactccagcttcgaatgcgtgtgctaccgccgggtgttc	360
Db	372	taccggcggtgagacatggtgggtactactccagcttcgaatgcgtgtgctaccgccgggtgttc	431
Qy	361	ctgtgcaaggtgaccttgaaagccgatacagctgttgagatacccaagcttcccgagaatggt	420
Db	432	ctgtgcaaggtgaccttgaaagccgatacagctgttgagatacaccagcttcccgagaatggt	491
Qy	421	ggcttggaatgcccccatcacagacttctactctcagaagtggtgactg	468
Db	492	ggcttggaatgcccccatcacagacttctactctcagaagtggtgactg	539

```

RESULT      5
US-09-229-591-4
Sequence 4, Application US/09229591
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR
TITLE OF INVENTION: ANTAGONIST OBTAINED FROM A CDNA LIBRARY OF FETAL
TITLE OF INVENTION: LIVER-SPLEEN
FILE REFERENCE: 20411-743CON1
CURRENT APPLICATION NUMBER: US/09/729, 591
CURRENT FILING DATE: 1999-01-13
EARLIER APPLICATION NUMBER: US 09/099, 818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082, 364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079, 909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055, 010
EARLIER FILING DATE: 1998-04-03
EARLIER APPLICATION NUMBER: US 09/034, 341
EARLIER FILING DATE: 1998-02-13
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-229-591-4

```

Query Match	100.0%	Score 468	DB 16	Length 1282
Best Local Similarity	100.0%	Prod. No. 3	6e-26	
Matches 468	Conservative 0	Mismatches 0	Indels 0	Gaps 0

OY	1	atggtcctgaatgaggcgctgctgcttcgcgaalgaagaactcggcatlgaagtgctttat	60
Db	73	atggcttcgaatbgggcgctgctgcttcgcgaalgaagaagactcggcatlgaagtgctttat	132
OY	61	ctgcataataaccagcttcctcagctcgaagagctgcatacgaaggaagtcattaaagttga	120

```
Db 133 cgcgataataaccagcttctagctggaaggcgtgcacgacgggaaggtcaatgaagtgtaa 192
Qy 121 gagatcagcgtgtgtcccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 180
Db 193 gagatcagcgtgtgtcccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 252
Qy 181 gtccaaagtgtggaagccagcgtgtcatctgtgggtggtggcagaagagccagcttaaaccta 240
Db 253 gtccaaagtgtggaagccagcgtgtcatctgtgggtggtggcagaagagccagcttaaaccta 312
Qy 241 gagccagtgaacatcatctgagctctactctgtgtgccaagaatccaaagagctcaccttc 300
Db 313 gagccagtgaacatcatctgagctctactctgtgtgccaagaatccaaagagctcaccttc 372
Qy 301 tacccggcgggacatctggtgctcacctccagcttcagatcggtcgtcctaccggcgtgttc 360
Db 373 tacccggcgggacatctggtgctcacctccagcttcagatcggtcgtcctaccggcgtgttc 432
Qy 361 ctgtgacagctgtcctgaagccgatacagctgttcagactcacccagcttcaggagatgtt 420
Db 433 ctgtgacagctgtcctgaagccgatacagctgttcagactcacccagcttcaggagatgtt 492
Qy 421 ggctggaatgcccccatcacagacttctacttccagcagtgtagctag 468
Db 493 ggctggaatgcccccatcacagacttctacttccagcagtgtagctag 540
```

RESULT 6
US-09-348-942-4
Sequence 4, Application US/09348942

GENERAL INFORMATION:

APPLICANT: John Ford

TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF

FILE REFERENCE: 28110/35801

CURRENT FILING DATE: 1999-07-07

EARLIER APPLICATION NUMBER: PCT/US99/04291

EARLIER FILING DATE: 1999-04-05

EARLIER APPLICATION NUMBER: US 09/287,210

EARLIER FILING DATE: 1999-04-05

EARLIER APPLICATION NUMBER: US 09/251,370

EARLIER FILING DATE: 1999-02-17

EARLIER APPLICATION NUMBER: US 09/229,591

EARLIER FILING DATE: 1999-01-13

EARLIER APPLICATION NUMBER: US 09/127,698

EARLIER FILING DATE: 1998-07-31

EARLIER APPLICATION NUMBER: US 09/099,818

EARLIER FILING DATE: 1998-06-19

EARLIER APPLICATION NUMBER: US 09/082,364

EARLIER FILING DATE: 1998-05-20

EARLIER APPLICATION NUMBER: US 09/079,909

EARLIER FILING DATE: 1998-05-15

EARLIER APPLICATION NUMBER: US 09/055,010

EARLIER FILING DATE: 1998-04-03

NUMBER OF SEQ ID NOS: 30

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 4

LENGTH: 1282

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (73)...(537)

US-09-348-942-4

Query Match 100.0%; Score 468; DB 17; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 atgtctcagtggtggcgtgtgtcttcgaatgaagactcggcagctgaagtgtcttat 60
|||||

```
Db 73 atgtctcagtggtggcgtgtgtcttcgaatgaagactcggcagctgaagtgtcttat 132
Qy 61 ctgcataataaccagcttcttagctggaaggcgtgcacgacgggaaggtcaatgaagtgtaa 120
Db 133 ctgcataataaccagcttcttagctggaaggcgtgcacgacgggaaggtcaatgaagtgtaa 192
Qy 121 gagatcagcgtgtgtcccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 180
Db 193 gagatcagcgtgtgtcccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 252
Qy 181 gtccaaagtgtggaagccagcgtgtcatctgtgggtggtggcagaagagccagcttaaaccta 240
Db 253 gtccaaagtgtggaagccagcgtgtcatctgtgggtggtggcagaagagccagcttaaaccta 312
Qy 241 gagccagtgaacatcatctgagctctactctgtgtgccaagaatccaaagagctcaccttc 300
Db 313 gagccagtgaacatcatctgagctctactctgtgtgccaagaatccaaagagctcaccttc 372
Qy 301 tacccggcgggacatctggtgctcacctccagcttcagatcggtcgtcctaccggcgtgttc 360
Db 373 tacccggcgggacatctggtgctcacctccagcttcagatcggtcgtcctaccggcgtgttc 432
Qy 361 ctgtgacagctgtcctgaagccgatacagctgttcagactcacccagcttcaggagatgtt 420
Db 433 ctgtgacagctgtcctgaagccgatacagctgttcagactcacccagcttcaggagatgtt 492
Qy 421 ggctggaatgcccccatcacagacttctacttccagcagtgtagctag 468
Db 493 ggctggaatgcccccatcacagacttctacttccagcagtgtagctag 540
```

RESULT 7
US-09-457-626-4

Sequence 4, Application US/09457626

GENERAL INFORMATION:

APPLICANT: Ford, John

TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF

FILE REFERENCE: 28110/36010

CURRENT FILING DATE: 1999-12-08

EARLIER APPLICATION NUMBER: US 09/457,626

EARLIER FILING DATE: 1999-12-08

EARLIER APPLICATION NUMBER: US 09/417,455

EARLIER FILING DATE: 1999-10-13

EARLIER APPLICATION NUMBER: US 09/348,942

EARLIER FILING DATE: 1999-07-07

EARLIER APPLICATION NUMBER: PCT/US99/04291

EARLIER FILING DATE: 1999-04-05

EARLIER APPLICATION NUMBER: US 09/287,210

EARLIER FILING DATE: 1999-04-05

EARLIER APPLICATION NUMBER: US 09/251,370

EARLIER FILING DATE: 1999-02-17

EARLIER APPLICATION NUMBER: US 09/229,591

EARLIER FILING DATE: 1999-01-13

EARLIER APPLICATION NUMBER: US 09/127,698

EARLIER FILING DATE: 1998-07-31

EARLIER APPLICATION NUMBER: US 09/099,818

EARLIER FILING DATE: 1998-06-19

EARLIER APPLICATION NUMBER: US 09/082,364

EARLIER FILING DATE: 1998-05-20

EARLIER APPLICATION NUMBER: US 09/079,909

EARLIER FILING DATE: 1998-05-15

EARLIER APPLICATION NUMBER: US 09/055,010

EARLIER FILING DATE: 1998-04-03

NUMBER OF SEQ ID NOS: 30

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 4

LENGTH: 1282

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (73)...(537)

US-09-457-626-4

```
* Query Match          100.0%; Score 468; DB 18; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3,6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaagggtcttat 60
DB 73 atgtccctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaagggtcttat 132
QY 61 ctgtcataataaccagctcttaagctgagggcgctgcatgcagggaaaggtcaataaagttgaa 120
DB 133 ctgtcataataaccagctcttaagctgagggcgctgcatgcagggaaaggtcaataaagttgaa 192
QY 121 gagatcaacgctgtcccaatcgtgtgctgagatgcacagctctcccccgtacatctctgggt 180
DB 193 gagatcaacgctgtcccaatcgtgtgctgagatgcacagctctcccccgtacatctctgggt 252
QY 181 gtccagggtggaagcagctgtctcatgtgtggtggtggaagcagagccgacttaacacta 240
DB 253 gtccagggtggaagcagctgtctcatgtgtggtggtggaagcagagccgacttaacacta 312
QY 241 gagcagtggaacataatgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 300
DB 313 gagcagtggaacataatgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 372
QY 301 tacccggcgagacatgggctcaccctccagcttcgagctgctgactaacggcgctgtgttc 360
DB 373 tacccggcgagacatgggctcaccctccagcttcgagctgctgactaacggcgctgtgttc 432
QY 361 ctgtgcacggtgtcctgtaagccgatacagctgtgcacagcttcacccagcttcacagaaatggt 420
DB 433 ctgtgcacggtgtcctgtaagccgatacagctgtgcacagcttcacccagcttcacagaaatggt 492
QY 421 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 468
DB 493 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 540

RESULT 8
US-09-523-552-4
: Sequence 4, Application US/09523552
: GENERAL INFORMATION:
: APPLICANT: Ford, John
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36211
: CURRENT APPLICATION NUMBER: US/09/523, 552
: EARLIER FILING DATE: 2000-03-10
: EARLIER APPLICATION NUMBER: US 09/457, 626
: EARLIER FILING DATE: 1999-12-08
: EARLIER APPLICATION NUMBER: US 09/417, 455
: EARLIER FILING DATE: 1999-10-13
: EARLIER APPLICATION NUMBER: US 09/348, 942
: EARLIER FILING DATE: 1999-07-07
: EARLIER APPLICATION NUMBER: PCT/US99/04291
: EARLIER FILING DATE: 1999-04-05
: EARLIER APPLICATION NUMBER: US 09/287, 210
: EARLIER FILING DATE: 1999-04-05
: EARLIER APPLICATION NUMBER: US 09/251, 370
: EARLIER FILING DATE: 1999-02-17
: EARLIER APPLICATION NUMBER: US 09/229, 591
: EARLIER FILING DATE: 1999-01-13
: EARLIER APPLICATION NUMBER: US 09/127, 698
: EARLIER FILING DATE: 1998-07-31
: EARLIER APPLICATION NUMBER: US 09/099, 818
: EARLIER FILING DATE: 1998-06-19
: EARLIER APPLICATION NUMBER: US 09/082, 364
: EARLIER FILING DATE: 1998-05-20
: EARLIER APPLICATION NUMBER: US 09/079, 909
: EARLIER FILING DATE: 1998-05-15
: EARLIER APPLICATION NUMBER: US 09/055, 010
: EARLIER FILING DATE: 1998-04-03
```

```
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 1282
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (73)...(537)
US-09-523-552-4

Query Match          100.0%; Score 468; DB 19; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3,6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaagggtcttat 60
DB 73 atgtccctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaagggtcttat 132
QY 61 ctgtcataataaccagctcttaagctgagggcgctgcatgcagggaaaggtcaataaagttgaa 120
DB 133 ctgtcataataaccagctcttaagctgagggcgctgcatgcagggaaaggtcaataaagttgaa 192
QY 121 gagatcaacgctgtcccaatcgtgtgctgagatgcacagctctcccccgtacatctctgggt 180
DB 193 gagatcaacgctgtcccaatcgtgtgctgagatgcacagctctcccccgtacatctctgggt 252
QY 181 gtccagggtggaagcagctgtctcatgtgtggtggtggaagcagagccgacttaacacta 240
DB 253 gtccagggtggaagcagctgtctcatgtgtggtggtggaagcagagccgacttaacacta 312
QY 241 gagcagtggaacataatgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 300
DB 313 gagcagtggaacataatgagctctatctgtgtgccaaggaatccaagaagcttcaccttc 372
QY 301 tacccggcgagacatgggctcaccctccagcttcgagctgctgactaacggcgctgtgttc 360
DB 373 tacccggcgagacatgggctcaccctccagcttcgagctgctgactaacggcgctgtgttc 432
QY 361 ctgtgcacggtgtcctgtaagccgatacagctgtgcacagcttcacccagcttcacagaaatggt 420
DB 433 ctgtgcacggtgtcctgtaagccgatacagctgtgcacagcttcacccagcttcacagaaatggt 492
QY 421 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 468
DB 493 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 540

RESULT 9
US-09-576-008-4
: Sequence 4, Application US/09576008
: GENERAL INFORMATION:
: APPLICANT: Ford, John
: APPLICANT: Ho, Alice Suk-Yue
: TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36356
: CURRENT APPLICATION NUMBER: US/09/576, 008
: EARLIER FILING DATE: 2000-05-22
: EARLIER APPLICATION NUMBER: US 09/523, 552
: EARLIER FILING DATE: 2000-03-10
: EARLIER APPLICATION NUMBER: US 09/457, 626
: EARLIER FILING DATE: 1999-12-08
: EARLIER APPLICATION NUMBER: US 09/417, 455
: EARLIER FILING DATE: 1999-10-13
: EARLIER APPLICATION NUMBER: US 09/348, 942
: EARLIER FILING DATE: 1999-07-07
: EARLIER APPLICATION NUMBER: PCT/US99/04291
: EARLIER FILING DATE: 1999-04-05
: EARLIER APPLICATION NUMBER: US 09/287, 210
: EARLIER FILING DATE: 1999-04-05
: EARLIER APPLICATION NUMBER: US 09/251, 370
```

```

; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (73)...(537)
US-09-576-008-4
```

```

Query Match          100.0%: Score 468: DB 22: Length 1282:
Best Local Similarity 100.0%: Pred. No. 3.6e-236:
Matches 468: Conservative 0: Mismatches 0: Indels 0: Gaps 0:
```

```

QY 1 atgtcctcctgagtgaggcgtctgtctcgcgaatgaagactcggcattgaaggtcttat 60
DB 73 atgtcctcctgagtgaggcgtctgtctcgcgaatgaagactcggcattgaaggtcttat 132
QY 61 ctgtcataataaccagctcttaagctggaagctgcgatgcagggagaaggtcattaaagttgaa 120
DB 133 ctgtcataataaccagctcttaagctggaagctgcgatgcagggagaaggtcattaaagttgaa 192
QY 121 gagatcagctgtgtcccaatcgtgtgctggaatgcagagcttcccccgtccttggt 180
DB 193 gagatcagctgtgtcccaatcgtgtgctggaatgcagagcttcccccgtccttggt 252
QY 181 gtccaggtgtggaagcagctgtctcattgttggttgaggcaggaagcagccttaacacta 240
DB 253 gtccaggtgtggaagcagctgtctcattgttggttgaggcaggaagcagccttaacacta 312
QY 241 gagcaggtgaacataatgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 300
DB 313 gagcaggtgaacataatgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 372
QY 301 tacccggcggagacatggggtccctccacctcagctcgaagctgcgtccacccgggctgttc 360
DB 373 tacccggcggagacatggggtccctccacctcagctcgaagctgcgtccacccgggctgttc 432
QY 361 ctgtgcacggtgtccctgaagccgatcagcctgtcagaactaccacagcttcccgaaatggt 420
DB 433 ctgtgcacggtgtccctgaagccgatcagcctgtcagaactaccacagcttcccgaaatggt 492
QY 421 ggcctggaatgcccacatcagaactcttaactccagcaggtgtgactag 468
DB 493 ggcctggaatgcccacatcagaactcttaactccagcaggtgtgactag 540
```

```

RESULT 10
US-60-244-692-4
; Sequence 4, Application US/60244692
; GENERAL INFORMATION:
; APPLICANT: Mize, Nancy K.
; APPLICANT: Haley-Vicente, Dana A.
; TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36884
; CURRENT APPLICATION NUMBER: US/60/244,692
; CURRENT FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/US00/18710
```

```

; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/576,008
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 09/523,552
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: US 09/457,626
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 09/417,455
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (73)...(537)
US-60-244-692-4
```

```

Query Match          100.0%: Score 468: DB 57: Length 1282:
Best Local Similarity 100.0%: Pred. No. 3.6e-236:
Matches 468: Conservative 0: Mismatches 0: Indels 0: Gaps 0:
```

```

QY 1 atgtcctcctgagtgaggcgtctgtctcgcgaatgaagactcggcattgaaggtcttat 60
DB 73 atgtcctcctgagtgaggcgtctgtctcgcgaatgaagactcggcattgaaggtcttat 132
QY 61 ctgtcataataaccagctcttaagctggaagctgcgatgcagggagaaggtcattaaagttgaa 120
DB 133 ctgtcataataaccagctcttaagctggaagctgcgatgcagggagaaggtcattaaagttgaa 192
QY 121 gagatcagctgtgtcccaatcgtgtgctggaatgcagagcttcccccgtccttggt 180
DB 193 gagatcagctgtgtcccaatcgtgtgctggaatgcagagcttcccccgtccttggt 252
QY 181 gtccaggtgtggaagcagctgtctcattgttggttgaggcaggaagcagccttaacacta 240
DB 253 gtccaggtgtggaagcagctgtctcattgttggttgaggcaggaagcagccttaacacta 312
QY 241 gagcaggtgaacataatgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 300
DB 313 gagcaggtgaacataatgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 372
QY 301 tacccggcggagacatggggtccctccacctcagctcgaagctgcgtccacccgggctgttc 360
DB 373 tacccggcggagacatggggtccctccacctcagctcgaagctgcgtccacccgggctgttc 432
QY 361 ctgtgcacggtgtccctgaagccgatcagcctgtcagaactaccacagcttcccgaaatggt 420
DB 433 ctgtgcacggtgtccctgaagccgatcagcctgtcagaactaccacagcttcccgaaatggt 492
```

OY 421 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 468
|||||
Db 493 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 540

RESULT 11
US-09-131-263-4
; Sequence 4, Application US/09131263
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/054001
; CURRENT APPLICATION NUMBER: US/09/131,263
; CURRENT FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-131-263-4

Query Match 100.0%; Score 468; DB 15; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtccctgaatgagggcgctgtgtctccgaatgaagagctcgacatgaaggtagcttatt 60
|||||
Db 57 atgtccctgaatgagggcgctgtgtctccgaatgaagagctcgacatgaaggtagcttatt 116
OY 61 ctgcataataaccagctctctagcttgagagctgcatagcagggaagagtcattaaagtgaa 120
Db 117 ctgcataataaccagctctctagcttgagagctgcatagcagggaagagtcattaaagtgaa 176
OY 121 gagatcaacgctgtgtcccaatcgtgtgtgtgagatgccagcgtgtcccgctacatcctggt 180
Db 177 gagatcaacgctgtgtcccaatcgtgtgtgtgagatgccagcgtgtcccgctacatcctggt 236
OY 181 gtccaggtggaagcagctgtctgcatactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 237 gtccaggtggaagcagctgtctgcatactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 296
OY 241 gagcagtgaaatcatatgagctctatcttgtgtccaaagaaatccaaagcttcaccttc 300
Db 297 gagcagtgaaatcatatgagctctatcttgtgtccaaagaaatccaaagcttcaccttc 356
OY 301 taccggcgagacatgagctgt 360
Db 357 taccggcgagacatgagctgt 416
OY 361 ctgtcacagtgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 420
Db 417 ctgtcacagtgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 476
OY 421 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 468
|||||
Db 477 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 524

RESULT 12
US-09-131-263-4
; Sequence 4, Application US/09131263A
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334-162001 (formerly 09404/054001)
; CURRENT APPLICATION NUMBER: US/09/131,263A

; CURRENT FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-131-263-4

Query Match 100.0%; Score 468; DB 15; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtccctgaatgagggcgctgtgtctccgaatgaagagctcgacatgaaggtagcttatt 60
|||||
Db 57 atgtccctgaatgagggcgctgtgtctccgaatgaagagctcgacatgaaggtagcttatt 116
OY 61 ctgcataataaccagctctctagcttgagagctgcatagcagggaagagtcattaaagtgaa 120
Db 117 ctgcataataaccagctctctagcttgagagctgcatagcagggaagagtcattaaagtgaa 176
OY 121 gagatcaacgctgtgtcccaatcgtgtgtgtgagatgccagcgtgtcccgctacatcctggt 180
Db 177 gagatcaacgctgtgtcccaatcgtgtgtgtgagatgccagcgtgtcccgctacatcctggt 236
OY 181 gtccaggtggaagcagctgtctgcatactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 237 gtccaggtggaagcagctgtctgcatactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 296
OY 241 gagcagtgaaatcatatgagctctatcttgtgtccaaagaaatccaaagcttcaccttc 300
Db 297 gagcagtgaaatcatatgagctctatcttgtgtccaaagaaatccaaagcttcaccttc 356
OY 301 taccggcgagacatgagctgt 360
Db 357 taccggcgagacatgagctgt 416
OY 361 ctgtcacagtgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 420
Db 417 ctgtcacagtgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 476
OY 421 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 468
|||||
Db 477 ggtcgaatgccccatcacagacttactctcagcagtgtagctag 524

RESULT 13
US-09-369-693-4
; Sequence 4, Application US/09369693
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334-200001 (formerly 09404/086001)
; CURRENT APPLICATION NUMBER: US/09/369,693
; CURRENT FILING DATE: 1999-08-06
; EARLIER APPLICATION NUMBER: US 09/131,263
; EARLIER FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-369-693-4

Query Match 100.0%; Score 468; DB 17; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 60
  |||
DB 57 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 116
QY 61 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 120
  |||
DB 117 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 176
QY 121 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 180
  |||
DB 177 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 236
QY 181 gtccagggtggaagccagctgtcctgtcatgttggttggtggaagagccagacttaacacta 240
  |||
DB 237 gtccagggtggaagccagctgtcctgtcatgttggttggtggaagagccagacttaacacta 296
QY 241 gagccagtgaaactcatctagctctatcttgtgtccaagaaatccaagagcttacccttc 300
  |||
DB 297 gagccagtgaaactcatctagctctatcttgtgtccaagaaatccaagagcttacccttc 356
QY 301 taccggcgggacatggggctcacctccagcttcgagctgcctaccgggctgtgtc 360
  |||
DB 357 taccggcgggacatggggctcacctccagcttcgagctgcctaccgggctgtgtc 416
QY 361 ctgtgcacagctgtcctgaagccgatacagcctgtcagatacaccagcttcccgaaatggt 420
  |||
DB 417 ctgtgcacagctgtcctgaagccgatacagcctgtcagatacaccagcttcccgaaatggt 476
QY 421 ggcctgaatgcccccatcacagacttctacttccacagtgctactag 468
  |||
DB 477 ggcctgaatgcccccatcacagacttctacttccacagtgctactag 524

RESULT 14
US-09-617-720-1
; Sequence 1, Application US/09617720
; GENERAL INFORMATION:
; APPLICANT: Nicklin, Martin
; APPLICANT: Barton, Jenny
; TITLE OF INVENTION: IL-1L1 GENE AND POLYPEPTIDE PRODUCTS
; FILE REFERENCE: MSA-021.01
; CURRENT APPLICATION NUMBER: US/09/617,720
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2563
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-617-720-1
```

Query Match 100.0%; Score 468; DB 23; Length 2563;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 60
  |||
DB 30 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 89
QY 61 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 120
  |||
DB 90 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 149
QY 121 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 180
  |||
DB 150 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 209
```

```
QY 181 gtccagggtggaagccagctgtcctgtcatgttggttggtggaagagccagacttaacacta 240
  |||
DB 210 gtccagggtggaagccagctgtcctgtcatgttggttggtggaagagccagacttaacacta 269
QY 241 gagccagtgaaactcatctagctctatcttgtgtccaagaaatccaagagcttacccttc 300
  |||
DB 270 gagccagtgaaactcatctagctctatcttgtgtccaagaaatccaagagcttacccttc 329
QY 301 taccggcgggacatggggctcacctccagcttcgagctgcctgtcccccgtgtgttc 360
  |||
DB 330 taccggcgggacatggggctcacctccagcttcgagctgcctgtcccccgtgtgttc 389
QY 361 ctgtgcacagctgtcctgaagccagatcacgctgtcagatacaccagcttcccgaaatggt 420
  |||
DB 390 ctgtgcacagctgtcctgaagccagatcacgctgtcagatacaccagcttcccgaaatggt 449
QY 421 ggcctgaatgcccccatcacagacttctacttccacagtgctactag 468
  |||
DB 450 ggcctgaatgcccccatcacagacttctacttccacagtgctactag 497
```

```
RESULT 15
US-09-348-942-6
; Sequence 6, Application US/09348942
; GENERAL INFORMATION:
; APPLICANT: John Ford
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/35801
; CURRENT APPLICATION NUMBER: US/09/348,942
; EARLIER FILING DATE: 1999-07-07
; EARLIER APPLICATION NUMBER: PCT/US99/04291
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/287,210
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/251,370
; EARLIER FILING DATE: 1999-02-17
; EARLIER APPLICATION NUMBER: US 09/229,591
; EARLIER FILING DATE: 1999-01-13
; EARLIER APPLICATION NUMBER: US 09/127,698
; EARLIER FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: US 09/099,818
; EARLIER FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: US 09/082,364
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 09/079,909
; EARLIER FILING DATE: 1998-05-15
; EARLIER APPLICATION NUMBER: US 09/055,010
; EARLIER FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-348-942-6
```

Query Match 100.0%; Score 468; DB 17; Length 2648;
Best Local Similarity 100.0%; Pred. No. 3.7e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 60
  |||
DB 62 atgtctcagtgaggcgctgtgtctccgaatgaagactcggcattgaagtgtcttat 121
QY 61 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 120
  |||
DB 122 ctgcataataacacagcttctagtctgaaggctgcacatgcaggaggaagttcaatgaagttaa 181
QY 121 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 180
  |||
DB 182 gagatcagctgtgtcccaatcgctgtgtcgtgaatgcagcctgtcccccgtcatccctgggt 241
```

```
OY 181 gtccagggtggaagccagtgccctgtcatgtgggtgggcaaggagccgacttaacacta 240
    |||||||
Db 242 gtccagggtggaagccagtgccctgtcatgtgggtgggcaaggagccgacttaacacta 301
    |||||||
OY 241 gaggcagtgaaacatcatgtgagctctatcttgtgtccaaggaaatccaagagcttcaccttc 300
    |||||||
Db 302 gaggcagtgaaacatcatgtgagctctatcttgtgtccaaggaaatccaagagcttcaccttc 361
    |||||||
OY 301 taaccggcggggaatgtgggtcaccctccagcttcgagtcggctgtcctaccgggctgtgtc 360
    |||||||
Db 362 taaccggcggggaatgtgggtcaccctccagcttcgagtcggctgtcctaccgggctgtgtc 421
    |||||||
OY 361 ctgtgcacgggtgcctggaagccgatacagcctgtcagactcaaccagcttcocgagaatgt 420
    |||||||
Db 422 ctgtgcacgggtgcctggaagccgatacagcctgtcagactcaaccagcttcocgagaatgt 481
    |||||||
OY 421 ggcctggaatgcccccatcacagacttctacttccagcagtgactag 468
    |||||||
Db 482 ggcctggaatgcccccatcacagacttctacttccagcagtgactag 529
    |||||||
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Search completed: February 4, 2002, 15:52:35
Job time: 4180 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:13:15 : Search time 44.25 Seconds
(without alignments)
2395.293 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468

Sequence: 1 atgtctccagatgagtgagcgct.....acttcagcagtgtagtag 468

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size: 30

Total number of hits satisfying chosen parameters: 6

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database:

Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCFUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	468	100.0	1282	4	US-09-417-455-4
2	468	100.0	2648	4	US-09-417-455-6
3	243	51.9	357	4	US-09-417-455-1
4	243	51.9	985	4	US-09-417-455-2
5	227	48.5	5751	4	US-09-417-455-7
6	227	48.5	7605	4	US-09-417-455-8

ALIGNMENTS

RESULT 1
US-09-417-455-4
Sequence 4, Application US/09417455
Patent No. 6294655
GENERAL INFORMATION:
APPLICANT: Ford, John
APPLICANT: Pace, Ann
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36328
CURRENT APPLICATION NUMBER: US/09/417,455
CURRENT FILING DATE: 1999-10-13
PRIOR APPLICATION NUMBER: US 09/348,942
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: PCT/US99/04291
PRIOR FILING DATE: 1999-04-05
PRIOR APPLICATION NUMBER: US 09/287,210

PRIOR FILING DATE: 1999-04-05
PRIOR APPLICATION NUMBER: US 09/251,370
PRIOR FILING DATE: 1999-02-17
PRIOR APPLICATION NUMBER: US 09/229,591
PRIOR FILING DATE: 1999-01-13
PRIOR APPLICATION NUMBER: US 09/127,698
PRIOR FILING DATE: 1998-07-31
PRIOR APPLICATION NUMBER: US 09/099,818
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: US 09/082,364
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/079,909
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: US 09/055,010
PRIOR FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-417-455-4

Query Match 100.0%; Score 468; DB 4; Length 1282;
Best Local Similarity 100.0%; Pred. No. 1,6e-228;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctccagatgagtgagcgctgtgtctccgaatgaagagcttggatgaagtgtttat 60
Db |||||||
QY 73 atgtctccagatgagtgagcgctgtgtctccgaatgaagagcttggatgaagtgtttat 132
Db |||||||
QY 61 ctgcataataaccagctctcagctggaaggtgctgcatgcaaggaagatcaataagtgaa 120
Db |||||||
QY 133 ctgcataataaccagctctcagctggaaggtgctgcatgcaaggaagatcaataagtgaa 192
Db |||||||
QY 121 gagatcagcgtgtgtcccaatcgtgtgctgagatgcaagcgtgtcccgatccctgggt 180
Db |||||||
QY 193 gagatcagcgtgtgtcccaatcgtgtgctgagatgcaagcgtgtcccgatccctgggt 252
Db |||||||
QY 181 gtccaggttggaagcagctgtgtctcattgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db |||||||
QY 253 gtccaggttggaagcagctgtgtctcattgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 312
Db |||||||
QY 241 gagcagtggaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 300
Db |||||||
QY 313 gagcagtggaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 372
Db |||||||
QY 301 taccgagcggagacatgaggtgtcactccagcttcagctgagctgtgtgtgtgtgtgtgt 360
Db |||||||
QY 373 taccgagcggagacatgaggtgtcactccagcttcagctgagctgtgtgtgtgtgtgtgt 432
Db |||||||
QY 361 ctgtgcaagtgctgtgaagccgcatcagctgtcagactcaccagcttcccgaaatgtgt 420
Db |||||||
QY 433 ctgtgcaagtgctgtgaagccgcatcagctgtcagactcaccagcttcccgaaatgtgt 492
Db |||||||
QY 421 ggcctggaatgcccatcacagacttctacttcagcagtgtagtag 468
Db |||||||
QY 493 ggcctggaatgcccatcacagacttctacttcagcagtgtagtag 540
Db |||||||

RESULT 2
US-09-417-455-6
Sequence 6, Application US/09417455
Patent No. 6294655
GENERAL INFORMATION:
APPLICANT: Ford, John
APPLICANT: Pace, Ann
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36328

```
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-417-455-6
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Query Match          100.0%; Score 468; DB 4; Length 2648;
Best Local Similarity 100.0%; Pred. No. 1.6e-228;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 atggtctcgtatggtggcgctgtgtctcgaatgaagagctggcatlgaagtgcttat 60
    |||||||
DB 62 atggtctcgtatggtggcgctgtgtctcgaatgaagagctggcatlgaagtgcttat 121

QY 61 ctgcataataacacagcttctaagtgagggcgctgacgaggggaaggtcctaagtgtaa 120
    |||||||
DB 122 ctgcataataacacagcttctaagtgagggcgctgacgaggggaaggtcctaagtgtaa 181

QY 121 gagatcagcgtgtgtcccaatcgtgtgctgagatgcacgaccttcccccgtcactcgtggt 180
    |||||||
DB 182 gagatcagcgtgtgtcccaatcgtgtgctgagatgcacgaccttcccccgtcactcgtggt 241

QY 181 gtccaggtgtgaagcagctgtcctgtcattgtgggtgtgggcaagagccgaacttaacacta 240
    |||||||
DB 242 gtccaggtgtgaagcagctgtcctgtcattgtgggtgtgggcaagagccgaacttaacacta 301

QY 241 gggccaggtgaacatcatatgaagctctatctgtgtccaaagaaatccaagagcttaaccttc 300
    |||||||
DB 302 gggccaggtgaacatcatatgaagctctatctgtgtgtccaaagaaatccaagagcttaaccttc 361

QY 301 tacccggcggaacatggtgggtccacacctccacagcttcgagctgcgtacccggggtgtgtc 360
    |||||||
DB 362 tacccggcggaacatggtgggtccacacctccacagcttcgagctgcgtacccggggtgtgtc 421

QY 361 ctgtgtcagcgtgtcgtgaagcagatcagcctgtcagaactcaaccagcttcccgagaatggt 420
    |||||||
DB 422 ctgtgtcagcgtgtcgtgaagcagatcagcctgtcagaactcaaccagcttcccgagaatggt 481

QY 421 ggcctggaatgcccccatcacagacttctacttcccgagcagtgtagtag 468
    |||||||
DB 462 ggcctggaatgcccccatcacagacttctacttcccgagcagtgtagtag 529
```

```
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 357
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(357)
; OTHER INFORMATION: n = A,T,C or G
US-09-417-455-1
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Query Match          51.9%; Score 243; DB 4; Length 357;
Best Local Similarity 100.0%; Pred. No. 2.7e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 226 ccgactctaacactagagcagctgaacatcatcagagctctatctgtgtccaaagaatcc 285
    |||||||
DB 1 ccgactctaacactagagcagctgaacatcatcagagctctatctgtgtccaaagaatcc 60

QY 286 aagagcttaaccttccacccgcgagacatggtgggtctaacctccagcttcgaatcggctgccc 345
    |||||||
DB 61 aagagcttaaccttccacccgcgagacatggtgggtctaacctccagcttcgaatcggctgccc 120

QY 346 tacccgggtgtgttctctgtgacagtgctgtgaagccgacatcagcctgtcagaactcaaccag 405
    |||||||
DB 121 tacccgggtgtgttctctgtgacagtgctgtgaagccgacatcagcctgtcagaactcaaccag 180

QY 406 ctcccgagaatggtgtgctgtgaatgcccccatcacagacttctacttccagcagtgtagac 465
    |||||||
DB 181 ctcccgagaatggtgtgctgtgaatgcccccatcacagacttctacttccagcagtgtagac 240

QY 466 tag 468
    |||
DB 241 tag 243
```

```
RESULT 3
US-09-417-455-1
; Sequence 1, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
;
RESULT 4
US-09-417-455-2
; Sequence 2, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
```

```
;; CURRENT APPLICATION NUMBER: US/09/417,455
;; CURRENT FILING DATE: 1999-10-13
;; PRIOR APPLICATION NUMBER: US 09/348,942
;; PRIOR FILING DATE: 1999-07-07
;; PRIOR APPLICATION NUMBER: PCT/US99/04291
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/287,210
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/251,370
;; PRIOR FILING DATE: 1999-02-17
;; PRIOR APPLICATION NUMBER: US 09/229,591
;; PRIOR FILING DATE: 1999-01-13
;; PRIOR APPLICATION NUMBER: US 09/127,698
;; PRIOR FILING DATE: 1998-07-31
;; PRIOR APPLICATION NUMBER: US 09/099,818
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: US 09/082,364
;; PRIOR FILING DATE: 1998-05-20
;; PRIOR APPLICATION NUMBER: US 09/079,909
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: US 09/055,010
;; PRIOR FILING DATE: 1998-04-03
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO: 2
;; LENGTH: 985
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)...(240)
;; US-09-417-455-2
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```
Query Match          51.9%; Score 243; DB 4; Length 985;
Best Local Similarity 100.0%; Pred. No. 2.8e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 226 ccgactctaaacttagaacccagtgaaactatcttgagctctatcttggtgccaaggaatcc 285
Db 1 ccgactctaaacttagaacccagtgaaactatcttggtgccaaggaatcc 60
QY 286 aagaactctacactcttaccgagcgagacatgagggctcaccctcagctcgaatcgagctgccc 345
Db 61 aagaactctacactcttaccgagcgagacatgagggctcaccctcagctcgaatcgagctgccc 120
QY 346 taccgggctggttctctgtgacaggtgcttgaagccgatacagctgtgacactcaccag 405
Db 121 taccgggctggttctctgtgacaggtgcttgaagccgatacagctgtgacactcaccag 180
QY 406 ctcccggaatggtggtctggaatgcccccatcaagaactcttacttccagcagtgtagc 465
Db 181 ctcccggaatggtggtctggaatgcccccatcaagaactcttacttccagcagtgtagc 240
QY 466 tag 468
Db 241 tag 243
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RESULT 5
US-09-417-455-7
; Sequence 7, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291

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;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/287,210
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/251,370
;; PRIOR FILING DATE: 1999-02-17
;; PRIOR APPLICATION NUMBER: US 09/229,591
;; PRIOR FILING DATE: 1999-01-13
;; PRIOR APPLICATION NUMBER: US 09/127,698
;; PRIOR FILING DATE: 1998-07-31
;; PRIOR APPLICATION NUMBER: US 09/099,818
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: US 09/082,364
;; PRIOR FILING DATE: 1998-05-20
;; PRIOR APPLICATION NUMBER: US 09/079,909
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: US 09/055,010
;; PRIOR FILING DATE: 1998-04-03
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO: 7
;; LENGTH: 5751
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc-feature
;; LOCATION: (1)...(5751)
;; OTHER INFORMATION: n = A,T,C or G
;; US-09-417-455-7
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Query Match          48.5%; Score 227; DB 4; Length 5751;
Best Local Similarity 100.0%; Pred. No. 3.7e-106;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 242 agccagtgaaatcatgagatctatctctgtgtgccaaggaatccaagaagcttcaactct 301
Db 4073 agccagtgaaatcatgagatctatctctgtgtgccaaggaatccaagaagcttcaactct 4132
QY 302 accggcggaatggtggtctacactcgaagctcgagctggtcgtctaccgggctggtccc 361
Db 4133 accggcggaatggtggtctacactcgaagctcgagctggtcgtctaccgggctggtccc 4192
QY 362 tgtgacagtgctctaaacgcgatacagctgtgacagctcaccagcttccgagaatggtc 421
Db 4193 tgtgacagtgctctaaacgcgatacagctgtgacagctcaccagcttccgagaatggtc 4232
QY 422 gctggaatgcccccatcaagaactcttacttccagcagtgtagcag 468
Db 4253 gctggaatgcccccatcaagaactcttacttccagcagtgtagcag 4299
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RESULT 6
US-09-417-455-8
; Sequence 8, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698

; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 8
; LENGTH: 7605
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-417-455-8

Query Match 48.5%; Score 227; DB 4; Length 7605;
Best Local Similarity 100.0%; Pred. No. 3.7e-106;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 agccagtgacatcatgagctctatcttgggtgccaaggaatccaaagcttcaccttct 301
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Db 5105 agccagtgacatcatgagctctatcttgggtgccaaggaatccaaagcttcaccttct 5164
QY 302 accggcgagacatgaggtctacctcagcttcgagtcggtgctgctaccggggtgttc 361
|||
Db 5165 accggcgagacatgaggtctacctcagcttcgagtcggtgctgctaccggggtgttc 5224
QY 362 tggcacagtgcttgaagccgacatcagcttgcagactcaccagcttcccgagaatggtg 421
|||
Db 5225 tggcacagtgcttgaagccgacatcagcttgcagactcaccagcttcccgagaatggtg 5284
QY 422 gctggaatgccccatcacagacttctacttccagcagtgtagtag 468
|||
Db 5285 gctggaatgccccatcacagacttctacttccagcagtgtagtag 5331

Search completed: February 4, 2002, 15:15:01
Job time: 3706 sec